



# UC<sup>CONNECT</sup>™ – The LAN connectivity system

END-TO-END CABLING SOLUTIONS FOR NETWORKS TO LAST



A brand of the

**Prysmian**  
Group



# Prysmian Group - Linking the future



As the worldwide leader in the cable industry, Prysmian Group believes in the effective, efficient and sustainable supply of energy and information as a primary driver in the development of communities. With this in mind, we provide major global organisations in many industries with best-in-class cable solutions, based on state-of-the-art technology. Through two renowned commercial brands – Prysmian and Draka – based in almost 100 countries, we're constantly close to our customers, enabling them to further develop the world's energy and telecoms infrastructures, and achieve sustainable, profitable growth.

In our energy business, we design, produce, distribute and install cables and systems for the transmission and distribution of power at low, medium, high and extra-high voltage. In telecoms, the Group is a leading manufacturer of all types of copper and fibre cables, systems and accessories – covering voice, video and data transmission.

Drawing on over 130 years' experience and continuously investing in R&D, we apply excellence, understanding and integrity to everything we do, meeting and exceeding the precise needs of our customers across all continents, at the same time shaping the evolution of our industry.

### What links communications to communities?

Cable solutions to support the development of the world's telecoms infrastructure. As the world's largest producer of telecoms cables, supporting the infrastructures of many of the world's leading telecoms operators, the Prysmian Group delivers optical fibre and copper cabling solutions that help link communications to communities around the globe. Covering voice, video and data transmission, we are world leader in the production of optical fibre, offering unique and fully owned technology. Our portfolio sets the benchmark in global innovation, and is the outcome of continuous multi-million Euro investment in R&D and production in more than 30 facilities worldwide.

### Draka Universal Cabling system for Datacom networks

The range of Draka UC branded Universal Cables has been specifically designed for data transmission and combines high-capacity with a flexible cable concept that offers the best possible futureproofing for industrial, trade and service sector customers. Draka UC cables can be used in both standardized and customized networks.

#### Draka UC300 – UC1500

This comprehensive product range of twisted pair cable ranking from Cat.5e over Cat.6 to patented design for Cat.6A up to multimedia cables has been tailored to a variety of applications and allows highest transmission rates.

#### Draka UC<sup>FIBRE</sup>™ / Prysmian UC<sup>FIBRE</sup>™

Optical fiber data cables from the UC<sup>FIBRE</sup>™ series support the latest leading edge transmission standard – 10 Gigabit Eth-



ernet with ten billion bits per second (10Gbit/s) – and provide the ideal basis for the move to faster transmission protocols in the future.

### Data Centre Solutions UC<sup>FUTURE</sup>

With 40/100 Gigabit-Ethernet infrastructures rapidly emerging as the next standard, the Draka product range has been extended with a cable program with UC<sup>FUTURE</sup> cable that meets current requirements regarding packing density in data centers – and will facilitate the move to next-generation 40/100 Gigabit-Ethernet. This includes Cat8.x solutions for the forthcoming 40GBase-T interface.









### UC<sup>CONNECT</sup>™ – Building blocks for ultimate network performance

Draka's broad portfolio of connectivity products accomplishes perfectly the range of Datacom cable solutions established since many years in a variety of applications.

It contains as well Copper connectivity products in classical Cat.5 performance over trendy Cat.6 compliant products up to 10Gb/s premium Cat.6A products as leading edge fibre optic products facilitating the superior Draka PVCD-based optical fibre cables along with modular, pluggable FO connectivity solutions perfected for durability and flexibility.

# Index

## PRYSMIAN GROUP - LINKING THE FUTURE

	<b>1. SOLUTION CONFIGURATOR</b>	<b>5</b>		<b>5. PANELS</b>	<b>60</b>
	1.1 Category 5e	6		5.1 Patch Panels	62
	Category 6			5.2 Smart Panels	77
	1.2 UNSHIELDED PERMANENT LINK	8		5.3 Cable Managements	82
	1.3 SHIELDED PERMANENT LINK	10			
	Category 6A			<b>6. FACEPLATES AND ACCESSORIES</b>	<b>88</b>
	1.4 UNSHIELDED PERMANENT LINK	12		6.1 Faceplate and Frame	90
	1.5 SHIELDED PERMANENT LINK	14		6.2 Surface Mount Box	97
				6.3 Snap-In Module	99
	<b>2. CABLES</b>	<b>16</b>		<b>7. TOOLS &amp; SECURITY</b>	<b>102</b>
	2.1 Category 5e	19			
	2.2 Category 6	21		<b>8. FIBRE OPTIC</b>	<b>108</b>
	2.3 Category 6A	25		8.1 Cables	113
	2.4 Category 7	31		8.2 Indoor Trunk Cables	126
	2.5 Category 7A	33		8.3 Optical Patchcord	128
	2.6 Category 8	37		8.4 Optical Pigtail	129
				8.5 Optical Adaptors	130
	<b>3. KEYSTONE JACKS</b>	<b>38</b>		8.6 Patch Panel	131
	3.1 Category 5e	39			
	3.2 Category 6	44			
	3.2 Category 6A	49			
	<b>4. PATCHCORDS</b>	<b>54</b>			





# 1. Solution configurators

For many decades, we have been designing, developing, manufacturing and selling a variety of high-quality copper and optical fibre cables in order to offer you cable solutions for present and future challenges – let it be standard products or tailormade – special cables.

# Category 5e Solution Configurator

UCDATA™, UCCONNECT™

## Floor distributor



PWU9746	19" 1U 24P UTP, Punchdown Panel, RJ45, Cat.5e, 180°
PPU9749	19" 1U 24P UTP Keystone Panel, Empty, Cat.5e, 180°
PPVU9752	19" 1U 24P UTP Angle Keystone Panel, Empty, Cat.5e 180°, Foldable patented
PPU9773	19" 2U 48P UTP Keystone Panel, Empty, Cat.5e, 180°
PPS0118	19" 1U 24P FTP, Keystone Panel, Empty, Cat.5e, 180°
PPS9748	19" 1U 24P FTP Keystone Panel, Empty, Cat.5e 180°
PPVS9752	19" 1U 24P FTP Angle Keystone Panel, Empty, Cat.5e 180°, Foldable patented
PPS9772	19" 2U 48P FTP Keystone Panel, Empty, Cat.5e, 180°



CM1U9849	19" 1U cable management, Plastic light weight, Compact - 2.5 inch
CM2U9850	19" 2U cable management, Plastic light weight, Compact - 2.5 inch
CM1U9851	19" 1U cable management, Plastic light weight, Deep - 5 inch
CM1U9852	19" 2U cable management, Plastic light weight, Deep - 5 inch
CM1U9861	19" 1U cable management, Plastic light weight, Normal - 3 inch
CM2U9863	19" 2U Cable management, light weight, Double side access.



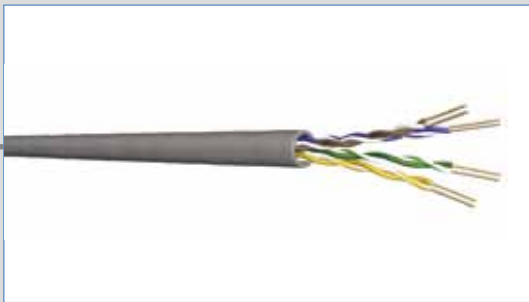
MJTR9660	Keystone Jack.Cat.5e,RJ45,UTP, 180°, Tool Fast, Blue
KJTF1250W	Keystone Jack.Cat.5e,RJ45,UTP, 90° Tool Free, White
MJTF1252W	Keystone Jack.Cat.5e,RJ45,UTP, 180°, Tool Free, White
MJTR8660W	Keystone Jack.Cat.5e,RJ45,UTP, 180°, Punch-down, White
MJTR9669	Keystone Jack.Cat.6,RJ45,FTP, 180°, Tool Fast, Shielded
MJTF1271	Keystone Jack.Cat.6a,RJ45,FTP, 180° Tool Free, Shielded



PS9621GY-1	U/UTP Cat.5e SLIMF Patch cord Grey LSZH 1M
PS9621GY-0	U/UTP Cat.5e SLIMF Patch cord Grey LSZH 1.5M
PS9621GY-2	U/UTP Cat.5e SLIMF Patch cord Grey LSZH 2M
PS9621GY-3	U/UTP Cat.5e SLIMF Patch cord Grey LSZH 3M
PC5110GY-1	U/UTP Cat.5e DBOOT Patch cord Grey PVC 24AWG 1M
PC5110GY-0	U/UTP Cat.5e DBOOT Patch cord Grey PVC 24AWG 1.5M
PC5110GY-2	U/UTP Cat.5e DBOOT Patch cord Grey PVC 24AWG 2M
PC5110GY-3	U/UTP Cat.5e DBOOT Patch cord Grey PVC 24AWG 3M
PC5120GY-1	U/UTP Cat.5e DBOOT Patch cord Grey LSZH 24AWG 1M
PC5120GY-0	U/UTP Cat.5e DBOOT Patch cord Grey LSZH 24AWG 1.5M
PC5120GY-2	U/UTP Cat.5e DBOOT Patch cord Grey LSZH 24AWG 2M
PC5120GY-3	U/UTP Cat.5e DBOOT Patch cord Grey LSZH 24AWG 3M
PG9551GY-1	F/UTP Cat.5e GOLD Patch cord Grey PVC 1M
PG9551GY-0	F/UTP Cat.5e GOLD Patch cord Grey PVC 1.5M
PG9551GY-2	F/UTP Cat.5e GOLD Patch cord Grey PVC 2M
PG9551GY-3	F/UTP Cat.5e GOLD Patch cord Grey PVC 3M

## 1.1 Category 5e

## Installation cable



52004	UC 300 Cat 5e UTP 24 AWG PVC, IEC 60332-1
52026	UC 300 Cat 5e UTP 24 AWG LSZH, IEC 60332-1
52034	UC 300 Cat 5e UTP 24 AWG PE, Outdoor
52048	UC300 Cat 5e UTP 24 AWG LSFRZH, IEC 60332-24
53025	UC 300 Cat 5e F/UTP 24 AWG PVC, IEC 60332-1
53041	UC 300 Cat 5e F/UTP 24 AWG LSZH, IEC 60332-1
53035	UC 300 Cat 5e F/UTP 24 AWG PE, Outdoor
53048	UC300 Cat 5e F/UTP 24 AWG LSFRZH, IEC 60332-24

Wall outlet or  
Consolidation point

FPC01086	BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey
FPC01086G	BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White
FPC01087	BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey
FPC01087G	BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White
FPCA9286	10G BS Angle Faceplate with Shutter, 1-port , White
FPCA9287	10G BS Angle Faceplate with Shutter, 2-port , White
FPCA9288	10G BS Angle Faceplate with Shutter, 4-port , White
FP011331	Single port UK frame, 86x86 (LJ6C Type)
FP011332	Dual port UK frame, 86x86 (LJ6C Type)
MA1337	LJ6C Flat Single Adaptor, 38 x 25
AA1338	LJ6C Angled Single Adaptor, 38 x 25
B11339	LJ6C Blank Insert, 38 x 25
FPC01090	Wide, Flat Faceplate, 1-port, White
FPC01091	Wide, Flat Faceplate, 2-port, White
FPC01092	Wide, Flat Faceplate, 4-port, White
FPC01093	Wide, Flat Faceplate, 6-port, White



MJTR9660	Keystone Jack, Cat. 5e, RJ45, UTP, 180°, Tool Fast, Blue
KJTF1250W	Keystone Jack, Cat. 5e, RJ45, UTP, 90°, Tool Free, White
MJTF1252W	Keystone Jack, Cat. 5e, RJ45, UTP, 180°, Tool Free, White
MJTR8660W	Keystone Jack, Cat. 5e, RJ45, UTP, 180°, Punch-down, White
MJTR9669	Keystone Jack, Cat. 6, RJ45, FTP, 180°, Tool Fast, Shielded
MJTF1271	Keystone Jack, Cat. 6a, RJ45, FTP, 180°, Tool Free, Shielded



CJ9240	Tool Fast for MJTR 9 Series Keystone
CJ9340	Punch down Tool for MJTR 8 Series Keystone

PG9561GY-1	F/UTP Cat. 5e GOLD Patch cord Grey LSFRHF 1M
PG9561GY-0	F/UTP Cat. 5e GOLD Patch cord Grey LSFRHF 1.5M
PG9561GY-2	F/UTP Cat. 5e GOLD Patch cord Grey LSFRHF 2M
PG9561GY-3	F/UTP Cat. 5e GOLD Patch cord Grey LSFRHF 3M
PC5210GY-1	F/UTP Cat. 5e DBOOT Patch cord Grey PVC 26AWG 1M
PC5210GY-0	F/UTP Cat. 5e DBOOT Patch cord Grey PVC 26AWG 1.5M
PC5210GY-2	F/UTP Cat. 5e DBOOT Patch cord Grey PVC 26AWG 2M
PC5210GY-3	F/UTP Cat. 5e DBOOT Patch cord Grey PVC 26AWG 3M
PC5220GY-1	F/UTP Cat. 5e DBOOT Patch cord Grey LSZH 26AWG 1M
PC5220GY-0	F/UTP Cat. 5e DBOOT Patch cord Grey LSZH 26AWG 1.5M
PC5220GY-2	F/UTP Cat. 5e DBOOT Patch cord Grey LSZH 26AWG 2M
PC5220GY-3	F/UTP Cat. 5e DBOOT Patch cord Grey LSZH 26AWG 3M
PC5210GY-1	F/UTP Cat. 5e DBOOT Patch cord Green PVC 26AWG 1M
PC5210GY-0	F/UTP Cat. 5e DBOOT Patch cord Green PVC 26AWG 1.5M
PC5210GY-2	F/UTP Cat. 5e DBOOT Patch cord Green PVC 26AWG 2M
PC5210GY-3	F/UTP Cat. 5e DBOOT Patch cord Green PVC 26AWG 3M



# Category 6 Solution Configurator

Unshielded Permanent Link  
UCDATA™, UCCONNECT™

## Floor distributor



PPWU9747 19" 1U 24P UTP Punchdown Panel, RJ45, Cat.6, 180°



PPU9749 19" 1U 24P UTP Keystone Panel, Empty, Cat6, 180°  
PPVU9752 19" 1U 24P UTP Angle Keystone Panel, Empty, Cat6 180°, Foldable patented  
PPU9773 19" 2U 48P UTP Keystone Panel, Empty, Cat6, 180°  
PPWU0110 19" 1U 24P UTP Punchdown Panel, RJ45, Cat.6, 180°



CM1U9849 19" 1U cable management, Plastic light weight, Compact - 2.5 inch  
CM2U9850 19" 2U cable management, Plastic light weight, Compact - 2.5 inch  
CM1U9851 19" 1U cable management, Plastic light weight, Deep - 5 inch  
CM1U9852 19" 2U cable management, Plastic light weight, Deep - 5 inch  
CM1U9861 19" 1U cable management, Plastic light weight, Normal - 3 inch  
CM2U9863 19" 2U Cable management, light weight, Double side access



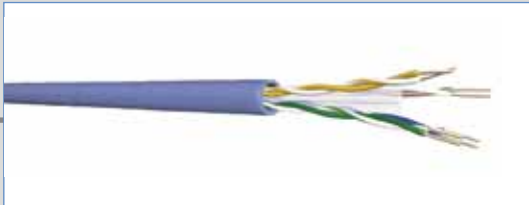
MJTR9667 Keystone Jack, Cat.6, RJ45, UTP, 180°, Tool Fast, Blue  
KJTF1264B Keystone Jack, Cat.6, RJ45, UTP, 90° Tool Free, Solid Black  
MJTF1262W Keystone Jack, Cat.6, RJ45, UTP, 180° Tool Free, Solid White  
MJTR8667W Keystone Jack, Cat.6, RJ45, UTP, 180° Punch-down, Tool, Solid White



PG9701GY-1 U/UTP Cat6 GOLD Patch cord Grey PVC 24AWG 1M  
PG9701GY-0 U/UTP Cat6 GOLD Patch cord Grey PVC 24AWG 1.5M  
PG9701GY-2 U/UTP Cat6 GOLD Patch cord Grey PVC 24AWG 2M  
PG9701GY-3 U/UTP Cat6 GOLD Patch cord Grey PVC 24AWG 3M  
PG9705GY-1 U/UTP Cat6 GOLD Patch cord Grey LSZH 24AWG 1M  
PG9705GY-0 U/UTP Cat6 GOLD Patch cord Grey LSZH 24AWG 1.5M  
PG9705GY-2 U/UTP Cat6 GOLD Patch cord Grey LSZH 24AWG 2M  
PG9705GY-3 U/UTP Cat6 GOLD Patch cord Grey LSZH 24AWG 3M  
  
PS9671GY-1 U/UTP Cat6 SLIMF Patch cord Grey LSZH 1M- SLIMF  
PS9671GY-0 U/UTP Cat6 SLIMF Patch cord Grey LSZH 1.5M- SLIMF  
PS9671GY-2 U/UTP Cat6 SLIMF Patch cord Grey LSZH 2M- SLIMF  
PS9671GY-3 U/UTP Cat6 SLIMF Patch cord Grey LSZH 3M- SLIMF  
  
PC6110GY-1 U/UTP Cat.6 DBOOT Patch cord Grey PVC 24AWG 1M  
PC6110GY-0 U/UTP Cat.6 DBOOT Patch cord Grey PVC 24AWG 1.5M  
PC6110GY-2 U/UTP Cat.6 DBOOT Patch cord Grey PVC 24AWG 2M  
PC6110GY-3 U/UTP Cat.6 DBOOT Patch cord Grey PVC 24AWG 3M  
PC6120GY-1 U/UTP Cat.6 DBOOT Patch cord Grey LSZH 24AWG 1M  
PC6120GY-0 U/UTP Cat.6 DBOOT Patch cord Grey LSZH 24AWG 1.5M  
PC6120GY-2 U/UTP Cat.6 DBOOT Patch cord Grey LSZH 24AWG 2M  
PC6120GY-3 U/UTP Cat.6 DBOOT Patch cord Grey LSZH 24AWG 3M

## 1.2 Category 6 Unshielded Permanent Link

### Installation cable



60088	UC 400 Cat 6 UTP 23 AWG PVC, IEC 60332-1
60075	UC 400 Cat 6 UTP 23 AWG LSZH, IEC 60332-1
62488	UC 400 Cat 6 UTP Bronze 24 AWG PVC, IEC 60332-1
62475	UC 400 Cat 6 UTP Bronze 24 AWG LSZH, IEC 60332-1
60048	UC 400 Cat 6 UTP 23 AWG LSFRZH, IEC 60332-24
60034	UC 400 Cat 6 UTP 23 AWG PE, Outdoor

### Wall outlet or Consolidation point



FPC01086	BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey
FPC01086G	BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White
FPC01087	BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey
FPC01087G	BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White

FPCA9286	10G BS Angle Faceplate with Shutter, 1-port, White
FPCA9287	10G BS Angle Faceplate with Shutter, 2-port, White
FPCA9288	10G BS Angle Faceplate with Shutter, 4-port, White

FP011331	Single port UK frame, 86x86 (LJ6C Type)
FP011332	Dual port UK frame, 86x86 (LJ6C Type)
MA1337	LJ6C Flat Single Adaptor, 38 x 25
AA1338	LJ6C Angled Single Adaptor, 38 x 25
B11339	LJ6C Blank Insert, 38 x 25

FPC01090	Wide, Flat Faceplate, 1-port, White
FPC01091	Wide, Flat Faceplate, 2-port, White
FPC01092	Wide, Flat Faceplate, 4-port, White
FPC01093	Wide, Flat Faceplate, 6-port, White



MJTR9667	Keystone Jack, Cat. 6, RJ45, UTP, 180°, Tool Fast, Blue
KJTF1264B	Keystone Jack, Cat. 6, RJ45, UTP, 90° Tool Free, Solid Black
MJTF1262W	Keystone Jack, Cat. 6, RJ45, UTP, 180° Tool Free, Solid White
MJTR8667W	Keystone Jack, Cat. 6, RJ45, UTP, 180° Punch-down, Tool, Solid White



CJ9240	Tool Fast for MJTR 9 Series Keystones
CJ9340	Punch down Tool for MJTR 8 Series Keystones

# Category 6 Solution Configurator

**Shielded Permanent Link**  
**UCDATA™, UCCONNECT™**

## Floor distributor



PPS9748 19" 1U 24P FTP Keystone Panel, Empty, Cat6, 180°  
 PPS9752 19" 1U 24P FTP Angle Keystone Panel, Empty, Cat6, 180°, Foldable patented  
 PPS9772 19" 2U 48P FTP Keystone Panel, Empty, Cat6, 180°  
 PPS0118 19" 1U 24P FTP Keystone Panel, Empty, Cat6, 180°



MJTR9669 Keystone Jack, Cat.6, RJ45, FTP, 180°, Tool Fast, Shielded  
 MJTF1271 Keystone Jack, Cat.6a, RJ45, FTP, 180° Tool Free, Shielded



CM1U9849 19" 1U cable management, Plastic light weight, Compact - 2.5 inch  
 CM2U9850 19" 2U cable management, Plastic light weight, Compact - 2.5 inch  
 CM1U9851 19" 1U cable management, Plastic light weight, Deep - 5 inch  
 CM1U9852 19" 2U cable management, Plastic light weight, Deep - 5 inch  
 CM1U9861 19" 1U cable management, Plastic light weight, Normal - 3 inch  
 CM2U9863 19" 2U Cable management, light weight, Double side access.

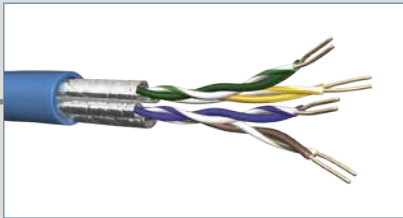


PG9709GY-1 S/FTP Cat.6 GOLD Patch cord Grey PVC 27AWG 1M  
 PG9709GY-0 S/FTP Cat.6 GOLD Patch cord Grey PVC 27AWG 1.5M  
 PG9709GY-2 S/FTP Cat.6 GOLD Patch cord Grey PVC 27AWG 2M  
 PG9709GY-3 S/FTP Cat.6 GOLD Patch cord Grey PVC 27AWG 3M  
  
 PG9713GY-1 S/FTP Cat.6 GOLD Patch cord Grey LSFRZH 27AWG 1M  
 PG9713GY-0 S/FTP Cat.6 GOLD Patch cord Grey LSFRZH 27AWG 1.5M  
 PG9713GY-2 S/FTP Cat.6 GOLD Patch cord Grey LSFRZH 27AWG 2M  
 PG9713GY-3 S/FTP Cat.6 GOLD Patch cord Grey LSFRZH 27AWG 3M  
  
 PC6220GY-1 F/UTP Cat.6 DBOOT Patch cord Grey LSZH 26AWG 1M  
 PC6220GY-0 F/UTP Cat.6 DBOOT Patch cord Grey LSZH 26AWG 1.5M  
 PC6220GY-2 F/UTP Cat.6 DBOOT Patch cord Grey LSZH 26AWG 2M  
 PC6220GY-3 F/UTP Cat.6 DBOOT Patch cord Grey LSZH 26AWG 3M



## 1.3 Category 6 Shielded Permanent Link

### Installation cable



11510	UC 400 Cat 6 S23 U/FTP 23 AWG, Patented 2 pairs foil, LSZH, IEC 60332-1
61088	UC 400 Cat 6 F/UTP 23 AWG PVC, IEC 60332-1
61075	UC 400 Cat 6 F/UTP 23 AWG LSZH, IEC 60332-1
65088	UC 400 Cat 6 S/FTP 23 AWG PVC, IEC 60332-1
65075	UC 400 Cat 6 S/FTP 23 AWG LSZH, IEC 60332-1
65048	UC 400 Cat 6 S/FTP 23 AWG LSFRZH, IEC 60332-24

### Wall outlet or Consolidation point



FPC01086	BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey
FPC01086G	BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White
FPC01087	BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey
FPC01087G	BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White
FPCA9286	10G BS Angle Faceplate with Shutter, 1-port , White
FPCA9287	10G BS Angle Faceplate with Shutter, 2-port , White
FPCA9288	10G BS Angle Faceplate with Shutter, 4-port , White
FP011331	Single port UK frame, 86x86 (LJ6C Type)
FP011332	Dual port UK frame, 86x86 (LJ6C Type)
MA1337	LJ6C Flat Single Adaptor, 38 x 25
AA1338	LJ6C Angled Single Adaptor, 38 x 25
B11339	LJ6C Blank Insert, 38 x 25
FPC01090	Wide, Flat Faceplate, 1-port, White
FPC01091	Wide, Flat Faceplate, 2-port, White
FPC01092	Wide, Flat Faceplate, 4-port, White
FPC01093	Wide, Flat Faceplate, 6-port, White



MJTR9669	Keystone Jack, Cat. 6, RJ45, FTP, 180°, Tool Fast, Shielded
MJTF1271	Keystone Jack, Cat. 6a, RJ45, FTP, 180° Tool Free, Shielded

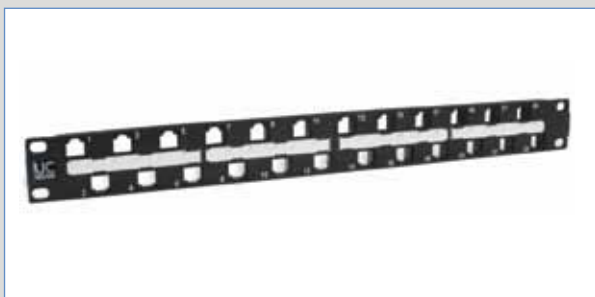


CJ9240	Tool Fast for MJTR 9 Series Keystones
CJ9340	Punch down Tool for MJTR 8 Series Keystones

# Category 6A Solution Configurator

Unshielded Permanent Link  
UCDATA™, UCCONNECT™

## Floor distributor



PPU9750 19" 1U 24P UTP Keystone Panel, Empty, Cat 6a, 180°



MJTF1270 Keystone Jack, Cat.6a, RJ45, UTP, 180° Tool Free, White



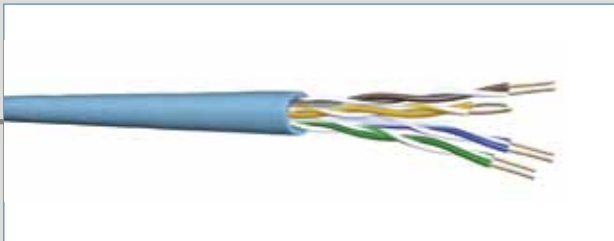
CM1U9849 19" 1U cable management, Plastic light weight, Compact - 2.5 inch  
CM2U9850 19" 2U cable management, Plastic light weight, Compact - 2.5 inch  
CM1U9851 19" 1U cable management, Plastic light weight, Deep - 5 inch  
CM1U9852 19" 2U cable management, Plastic light weight, Deep - 5 inch  
CM1U9861 19" 1U cable management, Plastic light weight, Normal - 3 inch  
CM2U9863 19" 2U Cable management, light weight, Double side access



PC8120GY-1 U/UTP Cat.6a DB00T Patch cord LSZH 24AWG 1M Grey  
PC8120GY-0 U/UTP Cat.6a DB00T Patch cord LSZH 24AWG 1.5M Grey  
PC8120GY-2 U/UTP Cat.6a DB00T Patch cord LSZH 24AWG 2M Grey

1.4 Category 6A  
Unshielded Permanent Link

## Installation cable



80075 UC 500 Cat 6a U/UTP 23 AWG LSZH, IEC 60332-1

## Wall outlet / Consolidation point / Accessories



FPC01086 BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey  
FPC01086G BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White  
FPC01087 BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey  
FPC01087G BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White

FPCA9286 10G BS Angle Faceplate with Shutter, 1-port , White  
FPCA9287 10G BS Angle Faceplate with Shutter, 2-port , White  
FPCA9288 10G BS Angle Faceplate with Shutter, 4-port , White

FP011331 Single port UK frame, 86x86 (LJ6C Type)  
FP011332 Dual port UK frame, 86x86 (LJ6C Type)  
MA1337 LJ6C Flat Single Adaptor, 38 x 25  
AA1338 LJ6C Angled Single Adaptor, 38 x 25  
BI1339 LJ6C Blank Insert, 38 x 25

FPC01090 Wide, Flat Faceplate, 1-port, White  
FPC01091 Wide, Flat Faceplate, 2-port, White  
FPC01092 Wide, Flat Faceplate, 4-port, White  
FPC01093 Wide, Flat Faceplate, 6-port, White



MJTF1270 Keystone Jack,Cat.6a,RJ45,UTP, 180° Tool Free, White



# Category 6A Solution Configurator

**Shielded Permanent Link**  
**UCDATA™, UCCONNECT™**

## Floor distributor



PPS9748	19" 1U 24P FTP Keystone Panel, Empty, Cat6a, 180°
PPVS9752	19" 1U 24P FTP Angle Keystone Panel, Empty, Cat6a, 180°, Foldable patented
PPS9772	19" 2U 48P FTP Keystone Panel, Empty, Cat6a, 180°
PPS0118	19" 1U 24P FTP Keystone Panel, Empty, Cat6a, 180°



KJTF1272	Keystone Jack, Cat.6a, RJ45, FTP, 90° Tool Free, Shielded, Ease Connect
KJTF1273	Keystone Jack, Cat.6a, Stranded, RJ45, FTP, 90° Tool Free, Shielded, Ease Connect
MJTR9214	Keystone Jack, Cat.6a, RJ45, FTP, 180°, Tool Fast, Shielded
MJTF1271	Keystone Jack, Cat.6a, RJ45, FTP, 180° Tool Free, Shielded



CM1U9849	19" 1U cable management, Plastic light weight, Compact - 2.5 inch
CM2U9850	19" 2U cable management, Plastic light weight, Compact - 2.5 inch
CM1U9851	19" 1U cable management, Plastic light weight, Deep - 5 inch
CM1U9852	19" 2U cable management, Plastic light weight, Deep - 5 inch
CM1U9861	19" 1U cable management, Plastic light weight, Normal - 3 inch
CM2U9863	19" 2U Cable management, light weight, Double side access



PG9201GY-1	S/FTP Cat.6a GOLD Patch cord Grey PVC 23AWG 1M
PG9201GY-0	S/FTP Cat.6a GOLD Patch cord Grey PVC 23AWG 1.5M
PG9201GY-2	S/FTP Cat.6a GOLD Patch cord Grey PVC 23AWG 2M
PG9201GY-3	S/FTP Cat.6a GOLD Patch cord Grey PVC 23AWG 3M
PG9205GY-1	S/FTP Cat.6a GOLD Patch cord Grey LSFRZH 23AWG 1M
PG9205GY-0	S/FTP Cat.6a GOLD Patch cord Grey LSFRZH 23AWG 1.5M
PG9205GY-2	S/FTP Cat.6a GOLD Patch cord Grey LSFRZH 23AWG 2M
PG9205GY-3	S/FTP Cat.6a GOLD Patch cord Grey LSFRZH 23AWG 3M
PC8320GY-1	U/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 1M Grey
PC8320GY-0	U/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 1.5M Grey
PC8320GY-2	U/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 2M Grey
PC8320GY-3	U/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 3M Grey
PC8420GY-1	S/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 1M Grey
PC8420GY-0	S/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 1.5M Grey
PC8420GY-2	S/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 2M Grey
PC8420GY-3	S/FTP Cat.6a DBOOT Patch cord LSZH 26AWG 3M Grey
PS8671WH-1	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 1M, 30 AWG, SILVER Plug
PS8671WH-0	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 1.5M, 30 AWG, SILVER Plug
PS8671WH-2	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 2M, 30 AWG, SILVER Plug
PS8671WH-3	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 3M, 30 AWG, SILVER Plug
PS6671WH-1	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 1M, 30 AWG, GOLD Plug
PS6671WH-0	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 1.5M, 30 AWG, GOLD Plug
PS6671WH-2	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 2M, 30 AWG, GOLD Plug
PS6671WH-3	S/FTP Cat.6a SLIMF Patch cord WHITE LSZH 3M, 30 AWG, GOLD Plug

## 1.5 Category 6A Shielded Permanent Link

### Installation cable



1113	UC 500 Cat 6a S23 U/FTP 23 AWG, Patented 2 pairs foil, LSZH, IEC 60332-1
11268	UC 500 Cat 6a AS23 F/FTP 23 AWG, Patented 2 pairs foil, LSZH, IEC 60332-1
86075	UC 500 Cat 6a U/FTP 23 AWG, Individual pair foil, LSZH, IEC 60332-1
84075	UC 500 Cat 6a F/FTP 23 AWG, Individual pair foil, LSZH, IEC 60332-1
85075	UC 500 Cat 6a S/FTP 23 AWG, Individual pair foil, 40% braid, LSZH, IEC 60332-1
83048	UC 500 Cat 6a F/UTP 23 AWG, Overall foil, LSFRZH, IEC 60332-24
83075	UC 500 Cat 6a U/FTP 23 AWG, Overall foil, LSZH, IEC 60332-1
83048	UC 500 Cat 6a U/FTP 23 AWG, Individual pair foil, LSFRZH, IEC 60332-24
85048	UC 500 Cat 6a S/FTP 23 AWG, Individual pair foil, LSFRZH, 40% braid, LSFRZH, IEC60332-24

### Wall outlet / Consolidation point / Accessories



FPC01086	BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey
FPC01086G	BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White
FPC01087	BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey
FPC01087G	BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White

FPCA9286	10G BS Angle Faceplate with Shutter, 1-port , White
FPCA9287	10G BS Angle Faceplate with Shutter, 2-port , White
FPCA9288	10G BS Angle Faceplate with Shutter, 4-port , White

FP011331	Single port UK frame, 86x86 (LJ6C Type)
FP011332	Dual port UK frame, 86x86 (LJ6C Type)
MA1337	LJ6C Flat Single Adaptor, 38 x 25
AA1338	LJ6C Angled Single Adaptor, 38 x 25
B11339	LJ6C Blank Insert, 38 x 25

FPC01090	Wide, Flat Faceplate, 1-port, White
FPC01091	Wide, Flat Faceplate, 2-port, White
FPC01092	Wide, Flat Faceplate, 4-port, White
FPC01093	Wide, Flat Faceplate, 6-port, White

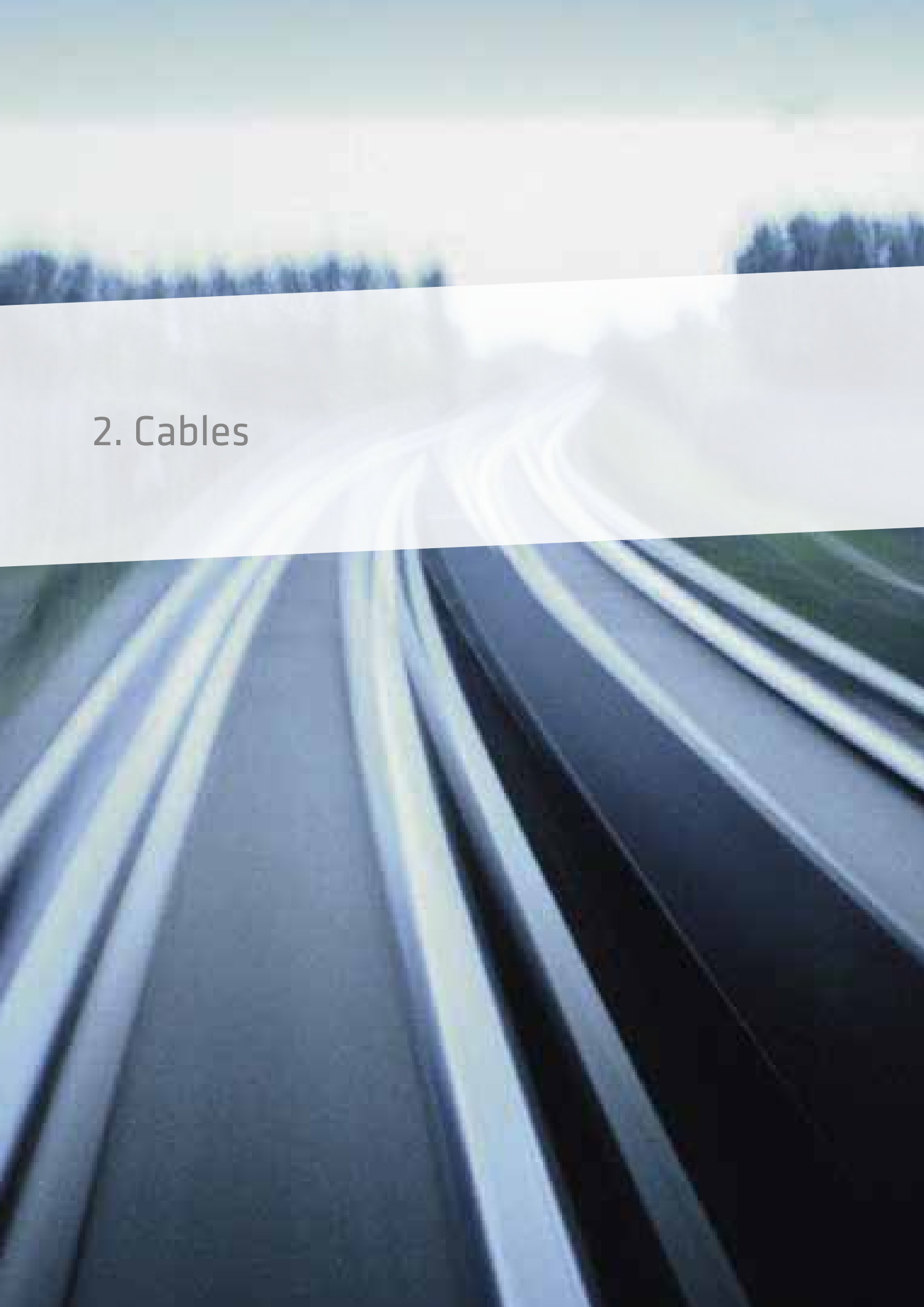


KJTF1272	Keystone Jack,Cat.6a,RJ45,FTP, 90° Tool Free, Shielded, Ease Connect
KJTF1273	Keystone Jack,Cat.6a,Stranded,RJ45,FTP, 90° Tool Free, Shielded, Ease Connect
MJTR9214	Keystone Jack,Cat.6a,RJ45,FTP, 180°, Tool Fast, Shielded
MJTF1271	Keystone Jack,Cat.6a,RJ45,FTP, 180° Tool Free, Shielded



CJ9240 Tool Fast for MJTR 9 Series Keystone

## 2. Cables





# Reliable Brand and Quality

In the communication infrastructure, our well proven products are always in use wherever it is a question of professional and undisturbed data, voice, audio and video transmission. The Draka UC range as described in this brochure has been designed for data transmission and offers a high-capacity and flexible cable concept with best future prospects to our customers from within the industry, trade and service sector.

## High speed

The demands on modern networks are very high. Speed and transmission reliability are of utmost priority. In this respect, Gigabit Ethernet offers an enormous potential for the future.

For many years, we have been a partner to companies from within the industry, trade and service sector. Thus we are well aware of our customers' needs. Planning reliability is an important factor for you and for us, as today's cable concepts must also meet the requirements of tomorrow's developments. The Draka UC range has the physical potential to support structured networking for future requirements.

Our product range (Cat.5e, Cat.6, Cat.7 and multimedia cables) has been adjusted to a variety of applications and allows highest transmission ratios. For high-end applications, our UC900 up to UC1500 series offer important reserve capacity. Our cable series have been designed to also allow cable sharing between all categories on the level of the lower category.

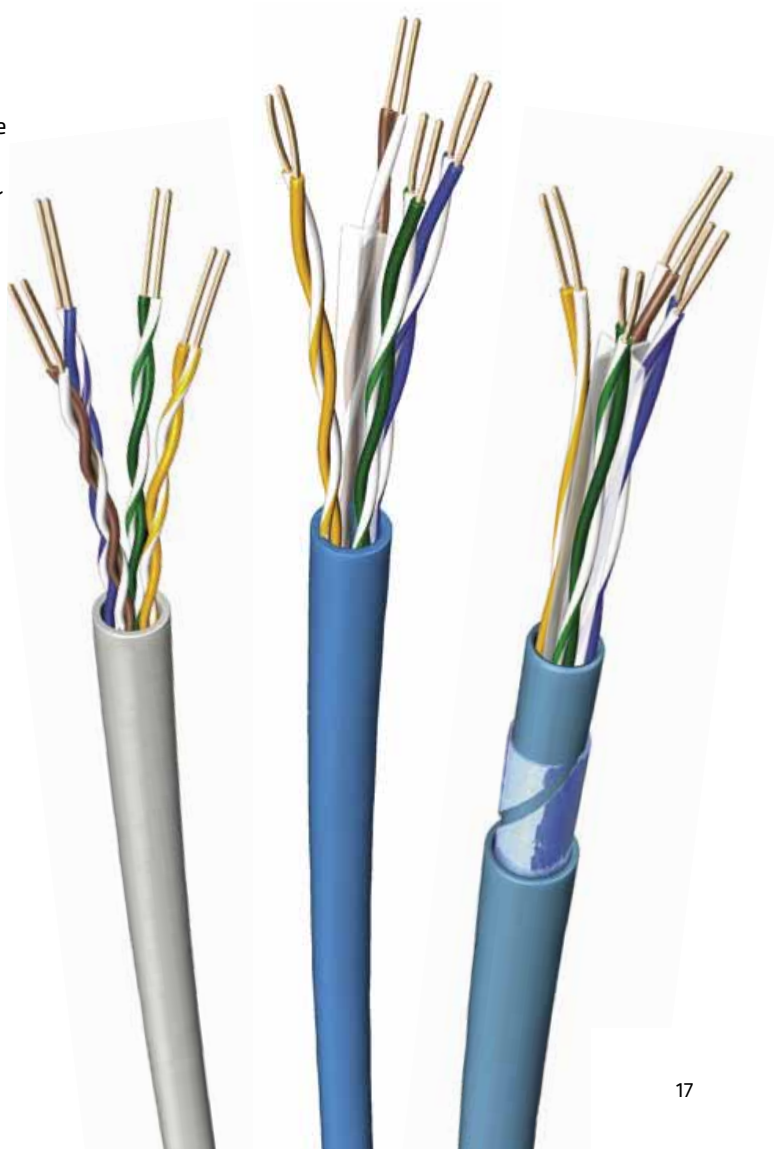
## Flexibility

Our high-quality UC cables are always in use wherever it is a question of high-speed data transmission in local networks (LAN). They are used for standardized and manufacturer-independent networks – e.g. Token Ring, Ethernet, ISDN, TPDDI, Fast Ethernet 1000BaseT

or 10GbE. Aside from voice and data communication, our solutions are also applicable for video communication. Among others, our product range comprises installation and patch cables which have been tested as to their compatibility with common components. Thus, we can guarantee maximum transmission reliability.

## Free choice

The right equipment for all applications: Whether high transmission capacity, electromagnetic compatibility (EMC) or best fire retardancy characteristics: We can offer the optimum data cable for every application. All our products are certainly manufactured at the highest quality standards. And it is no question that we will be pleased to advise you as to the installation. Short delivery times and best service guaranteed.



2.1	CATEGORY 5e	
	UC300 24 Cat 5e U/UTP	19
	UC300 24 Cat 5e F/UTP	20
2.2	CATEGORY 6	
	UC400 S23 Cat.6 U/FTP	21
	UC400 23 Cat.6 U/UTP	22
	UC400 24 Cat.6 U/UTP BRONZE	23
	UC400 23 Cat.6 F/UTP	24
2.3	CATEGORY 6 <sub>A</sub>	
	UC500 S23 Cat.6 <sub>A</sub> U/FTP	25
	UC500 AS23 Cat.6 <sub>A</sub> F/FTP	26
	UC500 23 Cat.6 <sub>A</sub> U/UTP	27
	UC500 23 Cat.6 <sub>A</sub> U/FTP	28
	UC500 23 Cat.6 <sub>A</sub> F/FTP	29
	UC500 23 Cat.6 <sub>A</sub> S/FTP	30
2.4	CATEGORY 7	
	UC900 HS23 Cat.7	31
	UC900 SS23 Cat.7	32
2.5	CATEGORY 7 <sub>A</sub>	
	UC1200 HS23 Cat.7 <sub>A</sub>	33
	UC1200 SS23 Cat.7 <sub>A</sub>	34
	UC1500 HS22 Cat.7 <sub>A</sub>	35
	UC1500 SS22 Cat.7 <sub>A</sub>	36
2.6	CATEGORY 8	
	UC <sup>FUTURE</sup> COMPACT22 Cat.8.2 S/FTP 2000MHz	37

# UC300 24 Cat 5e U/UTP

Standard, Solid



## 2.1. Cables

### Construction

Conductor	Bare copper wire Ø 0.5 mm (AWG24)
Insulation	PE, Ø 0.9 mm
Sheath	PVC, LSZH and PE
Sheath colour	PVC : Grey; LSZH : Grey ; PE : Black
Outer Diameter	Nom. 4.8 mm
Weight	28 kg /km

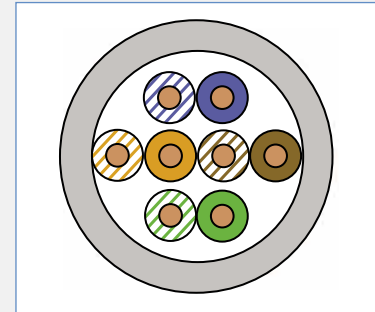
### Mechanical properties

Minimum bending radius Installation	4 x Diameter
Maximum tensile load, Installation	Nom. 100 N
Maximum tensile load, Installed	No stretch
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

### Electrical properties at 20°C

Characteristic impedance (1-130 MHz)	(100 ± 15) Ω
Mean Characteristic impedance 100 Mhz	(100 ± 5) Ω
DC-loop resistance	Nom. 170 Ω /km
Resistance unbalance	≤ 2 %
Propagation Delay	≤ 800 ns /km
Skew, maximum at 100MHz	≤ 200 ns /km
Mutual capacitance	Nom. 47 pF/m
Capacitance unbalance (pair to ground)	≤ 300 pF /km
Nominal velocity of propagation (NVP)	Nom. 69%

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.



### Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

### Standards

EIA/TIA 568C;

ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5

EN 50173; EN 50288-3-1

### Flame resistance

PVC IEC 60332-1

LSZH IEC 60332-1; IEC 60754;

IEC 61034

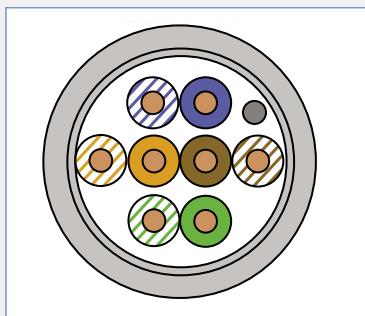
LSFRZH IEC 60332-3C;

Outer Sheath

### Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011062	52004	UC 300 Cat 5e UTP 24 AWG PVC	305m/box
60026275	52026	UC 300 Cat 5e UTP 24 AWG LSZH	305m/box
60010244	52034	UC 300 Cat 5e UTP 24 AWG PE, Outdoor	500m/reel
TBA	52048	UC 300 Cat5e UTP 24 AWG LSFRZH	305m/box

### 2.1. Cables



#### Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

#### Standards

EIA/TIA 568C;

ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5

EN 50173; EN 50288-3-1

#### Flame resistance

PVC IEC 60332-1

LSZH IEC 60332-1; IEC 60754;

IEC 61034

LSFRZH IEC 60332-3-24

# UC300 24 Cat 5e F/UTP

Standard, Solid



#### Construction

Conductor	Bare copper wire Ø 0.5 mm (AWG24)
Insulation	PE, Nom. Ø 1.04 mm
Sheath	PVC; alternatives LSZH and PE
Sheath colour	PVC : Grey; LSZH : Grey; PE : Black
Screen	Al-laminated plastic foil, drain wire AWG 26 tinned
Outer Diameter	Nom. 5.9 mm

#### Mechanical properties

Minimum bending radius Installation	4 x Diameter
Maximum tensile load, Installation	Nom. 100 N
Maximum tensile load, Installed	No stretch
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

#### Electrical properties at 20°C

Characteristic impedance (1-130 MHz)	(100 ± 15) Ω
Mean Characteristic impedance 100 Mhz	(100 ± 10) Ω
DC-loop resistance	Nom. 170 Ω /km
Resistance unbalance, maximum	≤ 2 %
Propagation Delay, minimum margin to limit	Nom. 800 nsec /km
Delay Skew, maximum at 100MHz	Nom. 200 nsec /km
Return Loss (1-100MHz) min	≥ -23 dB
Mutual capacitance	Nom. 52 pF /km
Capacitance unbalance, maximum	≥ 300 pF /km
Nominal velocity of propagation (NVP)	Nom. 69%

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

#### Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011026	53025	UC 300 Cat 5e F/UTP 24 AWG PVC, Indoor	305m/box
60011534	53041	UC 300 Cat 5e F/UTP 24 AWG LSZH, Indoor	305m/box
TBA	53035	UC 300 Cat 5e F/UTP 24 AWG PE, Outdoor	500m/reel
TBA	53048	UC 300 Cat 5e F/UTP 24 AWG LSFRZH	500m/reel

# UC400 S23 Cat. 6 U/FTP

Premium, Solid, LSZH

**Patent**

## Construction

Conductor	Bare copper wire Ø 0.57 mm (AWG23)
Insulation	PE, Nom. Ø 1.0 mm
Sheath	LSZH
Sheath colour	Blue
Pair Screen	High Performance STP: Al-laminated plastic foil, patented wrapping of two pairs each, drain wire AWG 26 tinned
Outer Diameter	Nom. 6.5 mm
Weight	Nom. 41 kg /km

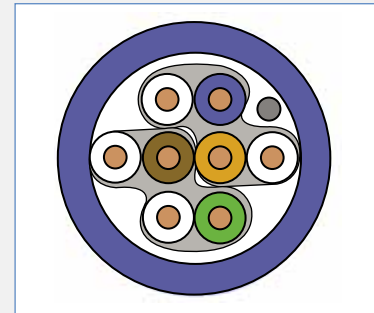
## Mechanical properties

Minimum bending radius without load	≥ 35 mm
Minimum bending radius with load	≥ 70 mm
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

## Electrical properties at 20°C

DC loop resistance	≤ 176 Ω /km
Resistance unbalance	≤ 2%
Insulation resistance (500 V)	≥ 2000 MΩ *km
Capacitance at 800 Hz	Nom. 43 nF /km
Capacitance unbalance (pair to ground)	≤ 1500 pF /km
Characteristic impedance 1- 100 MHz	(100 ± 15) Ω
Characteristic impedance 100- 250 MHz	(100 ± 18) Ω
Nominal velocity of propagation	Nom. 79 %
Propagation delay	Nom. 427 ns /100m
Delay skew	Nom. 12 ns /100m
Test voltage (DC, 1 min) Core/Core	Nom. 1000 V
Coupling Attenuation	≥ 55dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.



## Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

## Standards

EIA/TIA 568C;

ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5

EN 50173; EN 50288-3-1

## Flame resistance

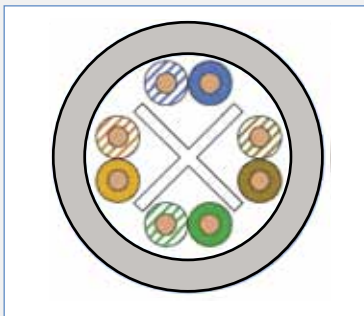
LSZH IEC 60332-1; IEC 60754;  
IEC 61034

## Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011510	11510	UC 400 Cat 6 S23 U/FTP 23 AWG, Patented 2 pairs foil, LSZH	500m/reel



### 2.2. Cables



#### Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

#### Standards

EIA/TIA 568C;

ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5

EN 50173; EN 50288-3-1

#### Flame resistance

PVC IEC 60332-1

LSZH IEC 60332-1; IEC 60754;

IEC 61034

LSFRZH IEC 60332-3-24

## UC400 23 Cat. 6 U/UTP

Premium, Solid



#### Construction

<b>Conductor</b>	Bare copper wire Ø 0.56 mm (AWG23)
<b>Insulation</b>	PE, Nom. Ø 0.98 mm
<b>Sheath</b>	PVC or LSZH
<b>Sheath colour</b>	PVC : Grey; LSZH : Grey
<b>Outer Diameter</b>	Nom. 6.3 mm
<b>Weight</b>	Nom. 40 kg /km

#### Mechanical properties

<b>Minimum bending radius Installed</b>	4 x Diameter
<b>Minimum bending radius Installed</b>	4 x Diameter
<b>Temperature range during operation</b>	-20°C up to +60°C
<b>Temperature range during installation</b>	0°C up to +50°C

#### Electrical properties at 20°C

<b>Characteristic impedance (1-100 MHz)</b>	(100 ± 15) Ω
<b>Characteristic impedance (100-250 Mhz)</b>	(100 ± 22) Ω
<b>DC-loop resistance</b>	Nom. 150 Ω /km
<b>Resistance unbalance</b>	≤ 2 %
<b>Mutual capacitance, nominal</b>	Nom. 50 pF /km
<b>Capacitance unbalance, maximum</b>	≤ 1600 pF /km
<b>Propagation Delay, minimum margin to limit</b>	≥ 800 nsec /km
<b>Delay Skew, maximum at 100MHz</b>	≤ 400 nsec km
<b>Nominal velocity of propagation (NVP)</b>	Nom. 69%

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

#### Ordering Information

SAP IC	UC P/N	Product Description	P.U
<b>1000134</b>	60088	UC 400 Cat 6 UTP 23 AWG PVC	305m/box
<b>60017496</b>	60075	UC 400 Cat 6 UTP 23 AWG LSZH	305m/box
<b>60016055</b>	60034	UC 400 Cat 6 UTP 23 AWG PE, Outdoor	500m/reel
<b>TBA</b>	60048	UC 400 Cat 6 UTP 23 AWG LSFRZH	305m/box

# UC400 24 Cat. 6 U/UTP BRONZE

Slim, Solid



## 2.2. Cables

## Construction

<b>Conductor</b>	Bare copper wire Ø 0.52 mm (AWG24)
<b>Insulation</b>	PE, Nom. Ø 0.95 mm
<b>Sheath</b>	PVC or LSZH
<b>Sheath colour</b>	PVC : Grey; LSZH : Grey
<b>Outer Diameter</b>	Nom. 5.4 mm
<b>Weight</b>	Nom. 37kg /km

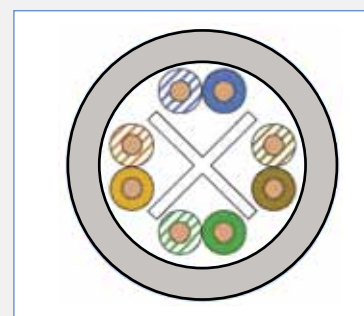
## Mechanical properties

<b>Minimum bending radius Installed</b>	8 x Diameter
<b>Minimum bending radius Installed</b>	8 x Diameter
<b>Temperature range during operation</b>	-10°C up to +60°C
<b>Temperature range during installation</b>	-10°C up to +60°C

## Electrical properties at 20°C

<b>DC resistance</b>	≤ 9.38 Ω / 100m
<b>Resistance unbalance</b>	≤ 2 %
<b>Insulation resistance (500 V)</b>	≥ 5000 MΩ/Km
<b>Mutual capacitance</b>	Nom. 5.1 nf / 100 m at 1 kHz
<b>Capacitance unbalance (pair to ground)</b>	≤ 160 pf / 100 m at 1 kHz
<b>Nominal velocity of propagation</b>	Nom. 67%
<b>Test voltage (DC, 1 min)</b>	Nom. 1000V

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.



## Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

## Standards

EIA/TIA 568C;

ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5

EN 50173; EN 50288-3-1

## Flame resistance

PVC IEC 60332-1

LSZH IEC 60332-1; IEC 60754;

IEC 61034

## Ordering Information

SAP IC	UC P/N	Product Description	P.U
TBA	62488	UC 400 Cat 6 UTP Bronze 24 AWG PVC	305m/box
TBA	62475	UC 400 Cat 6 UTP Bronze 24 AWG LSZH	305m/box

### 2.2. Cables



#### Application

Primary (Campus)  
Secondary (Riser)  
Tertiary (Horizontal)  
IEEE 802.3: 10Base-T; 100Base-T;  
1000Base-T;  
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

#### Standards

EIA/TIA 568C;  
ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5  
EN 50173; EN 50288-3-1

#### Flame resistance

PVC IEC 60332-1  
LSZH IEC 60332-1; IEC 60754;  
IEC 61034  
LSFRZH IEC 60332-3-24

## UC400 23 Cat. 6 F/UTP

Standard, Solid



#### Construction

Conductor	Bare copper wire Ø 0.57 mm (AWG23)
Insulation	PE, Nom. Ø 0.95 mm
Sheath	PVC; alternative LSZH
Sheath colour	PVC : Grey; LSZH : Grey
Outer Diameter	Nom. 6.86 mm
Weight	Nom. 51.62 kg /km

#### Mechanical properties

Minimum bending radius Installed	4 x Diameter
Minimum bending radius Installed	4 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

#### Electrical properties at 20°C

Loop resistance	≤ 176 Ω / km
Resistance unbalance	≤ 2 %
Insulation resistance (500 V)	≥ 2000 MΩ/Km
Mutual capacitance	Nom. 43 nf /km
Capacitance unbalance (pair to ground)	≤ 1500 pf /km
Nominal velocity of propagation	Nom. 67%
Test voltage (DC, 1 min)	Nom. 1000 V

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

#### Ordering Information

SAP IC	UC P/N	Product Description	P.U
TBA	61088	UC 400 Cat 6 F/UTP 23 AWG PVC	500m/reel
TBA	61075	UC 400 Cat 6 F/UTP 23 AWG LSZH	500m/reel
TBA	61048	UC 400 Cat 6 F/UTP 23 AWG LSFRZH	500m/reel

## UC500 S23 Cat.6A U/FTP



Premium, Solid, LSZH

**Patent**

## 2.3. Cables

## Construction

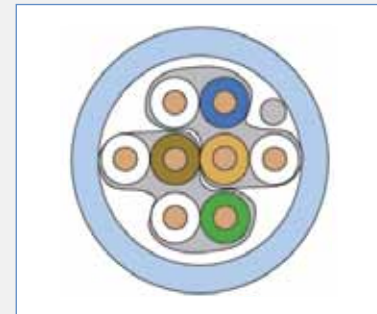
Conductor	Bare copper wire Ø 0.56 mm (AWG23)
Insulation	PE , Nom. Ø 1.35 mm
Sheath	LSZH
Sheath colour	BLUE
Pair Screen	Patented High Performance Pair Screen wrapping of two pairs
Outer Diameter	Nom. 6.9 mm
Weight	Nom. 45 kg /km

## Mechanical properties

Minimum bending radius Installation	8 x D
Minimum bending radius Installed	4 x D
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

## Electrical properties at 20°C

DC loop resistance	≤ 176 Ω /km
Resistance unbalance	≤ 2%
Insulation resistance (500 V)	≥ 2000 MΩ *km
Capacitance at 800 Hz	Nom. 43 nF /km
Capacitance unbalance (pair to ground)	≤ 1500 pF /km
Characteristic impedance 1- 100 MHz	(100 ± 15) Ω
Characteristic impedance 1-100 MHz	(100 ± 18) Ω
Nominal velocity of propagation	Nom. 79 %
Propagation delay	Nom. 450 ns /100m
Delay skew	Nom. 15 ns /100m
Test voltage (DC, 1 min) Core/Core	Nom. 1000 V
Coupling Attenuation	≥ 55dB



## Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

## Standards

EIA/TIA 568-C;

ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5

EN 50173; EN 50288-3-1

## Flame resistance

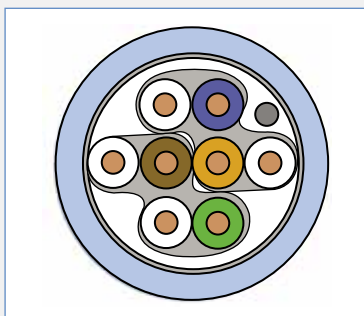
LSZH IEC 60332-1; IEC 60754;

IEC 61034

## Ordering Information

SAP IC	UC P/N	Product Description	P.U
6001113	11113	UC 500 Cat 6a S23 U/FTP 23 AWG, Patented 2 pairs foil, LSZH	500m/reel

### 2.3. Cables



#### Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

#### Standards

EIA/TIA 568-C;

ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5

EN 50173; EN 50288-3-1

#### Flame resistance

LSZH IEC 60332-1; IEC 60754;  
IEC 61034

## UC500 AS23 Cat.6A F/FTP

Premium, Solid, LSZH



**Patent**

#### Construction

Conductor	Bare copper wire Ø 0.56 mm (AWG23)
Insulation	Foamskin PE , Nom. Ø 1.35 mm
Sheath	LSZH
Sheath colour	BLUE
Pair Screen	Patented High Performance Pair Screen wrapping of two pairs
Overall Screen	Advanced screen: Al-laminated plastic foil, drain wire AWG26 tinned
Outer Diameter	Nom. 7.1 mm
Weight	Nom. 47 kg /km

#### Mechanical properties

Minimum bending radius without load	≥ 35 mm
Minimum bending radius with load	≥ 70 mm
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

#### Electrical properties at 20°C

DC loop resistance	≤ 176 Ω /km
Resistance unbalance	≤ 2%
Insulation resistance (500 V)	≥ 2000 MΩ *km
Capacitance at 800 Hz	Nom. 43 nF /km
Capacitance unbalance (pair to ground)	≤ 1500 pF /km
Characteristic impedance 1- 100 MHz	100 ± 5) Ω
Nominal velocity of propagation	Nom. 79 %
Propagation delay	Nom. 427 ns /100m
Delay skew	Nom. 12 ns /100m
Test voltage (DC, 1 min) core/core and core/screen	Nom. 1000 V
Transfer impedance	At 1 MHz; ≤ 20mΩ / m
	At 10 MHz; ≤ 50mΩ / m
	At 30 MHz; ≤ 100mΩ / m
Coupling Attenuation	≥ 55dB

#### Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011268	11268	UC 500 Cat 6a AS23 F/FTP 23 AWG, Patented 2 pairs foil, LSZH	500m/reel



# UC500 23 Cat.6A U/UTP

Standard, Solid, LSZH

2.3. Cables

## Construction

Conductor	Bare copper wire Ø 0.56 mm (AWG23/1)
Insulation	PE , Nom. Ø 1.03 mm
Sheath	LSZH
Sheath colour	PVC : BLUE; LSZH : BLUE
Outer Diameter	Nom. 8.6 mm
Weight	Nom. 56 kg /km

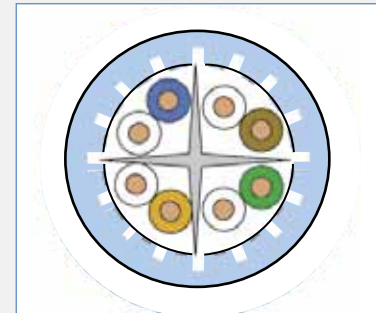
## Mechanical properties

Minimum bending radius without load	8 x Diameter
Minimum bending radius with load	8 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

## Electrical properties at 20°C

Loop resistance	≤ 165 Ω /km
Resistance unbalance	≤ 2%
Insulation resistance (500 V)	≥ 5000 MΩkm
Mutual Capacitance at 800 Hz	Nom. 50 nF /km
Capacitance unbalance (pair to ground)	≤ 1500 pF /km
Mean Characteristic impedance 100 MHz	(100 ± 5) Ω
Nominal velocity of propagation	Nom. 65 %
Propagation delay	Nom. 535 ns /100m
Delay skew	Nom 45 ns /100m
Test voltage (DC, 1 min)	Nom. 1000 V
Coupling Attenuation	≥ 40dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.



## Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

## Standards

EIA/TIA 568C;

ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5

EN 50173; EN 50288-3-1

## Flame resistance

LSZH IEC 60332-1; IEC 60754;

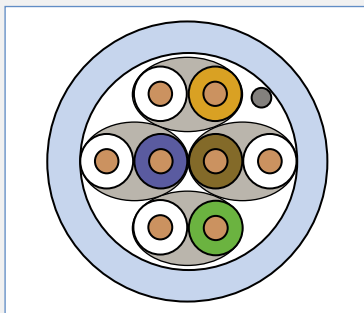
IEC 61034

LSFRZH IEC 60332-3-24

## Ordering Information

SAP IC	UC P/N	Product Description	P.U
60025517	80075	UC 500 Cat 6a U/UTP 23 AWG LSZH	500m/reel
TBA	80048	UC 500 Cat 6a U/UTP 23 AWG LSFRZH	500m/reel

### 2.3. Cables



#### Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

#### Standards

EIA/TIA 568C;

ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5

EN 50173; EN 50288-3-1

#### Flame resistance

LSZH IEC 60332-1; IEC 60754;  
IEC 61034

## UC500 23 Cat.6A U/FTP

Standard, Solid, LSZH



#### Construction

<b>Conductor</b>	Bare copper wire, Ø 0.56 mm (AWG23/1)
<b>Insulation</b>	Foam PE , Nom. Ø 1.32 mm
<b>Sheath</b>	LSZH
<b>Sheath colour</b>	BLUE
<b>Pair Screen</b>	High Performance Individual Pair Screen
<b>Outer Diameter</b>	Nom. 7.47 mm
<b>Weight</b>	Nom. 58.8 kg /km

#### Mechanical properties

<b>Minimum bending radius Installation</b>	8 x Diameter
<b>Minimum bending radius Installed</b>	8 x Diameter
<b>Temperature range during operation</b>	-10°C up to +60°C
<b>Temperature range during installation</b>	-10°C up to +60°C

#### Electrical properties at 20°C

<b>DC loop resistance</b>	≤ 176 Ω/km
<b>Resistance unbalance</b>	≤ 2%
<b>Insulation resistance (500 V)</b>	≥ 2000 MΩ *km
<b>Mutual Capacitance at 800 Hz</b>	Nom. 43 nF/km
<b>Capacitance unbalance (pair to ground)</b>	≤ 1500 pF/km
<b>Mean Characteristic impedance 100 MHz</b>	(100 ± 5) Ω
<b>Nominal velocity of propagation</b>	Nom. 79 %
<b>Propagation delay</b>	Nom. 450 ns/100m
<b>Delay skew</b>	Nom. 15 ns/100m
<b>Test voltage (DC, 1 min) core/core and core/screen</b>	Nom. 1000 V
<b>Transfer impedance</b>	At 1 MHz; ≤ 50mΩ / m
	At 10 MHz; ≤ 100mΩ / m
	At 30 MHz; ≤ 200mΩ / m
<b>Coupling Attenuation</b>	≥ 55dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

#### Ordering Information

SAP IC	UC P/N	Product Description	P.U
<b>TBA</b>	86075	UC 500 Cat 6a U/FTP 23 AWG, Individual pair foil, LSZH	500m/reel
<b>TBA</b>	83048	UC 500 Cat 6a U/FTP 23 AWG, Individual pair foil, LSFRZH	500m/reel

# UC500 23 Cat.6A F/FTP

Standard, Solid, LSZH



## 2.3. Cables

### Construction

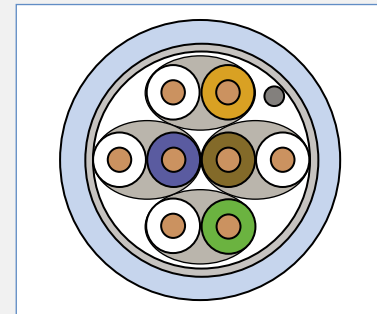
Conductor	Bare copper wire Ø 0.56 mm (AWG23/1)
Insulation	Foam PE , Nom. Ø 1.32 mm
Sheath	LSZH
Sheath colour	BLUE
Pair Screen	High Performance Individual Pair Screen
Overall Screen	Advanced aluminium laminated foil
Outer Diameter	Nom. 7.59 mm
Weight	Nom. 61.67 kg /km

### Mechanical properties

Minimum bending radius without load	8 x Diameter
Minimum bending radius with load	8 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

### Electrical properties at 20°C

DC loop resistance	≤ 176 Ω/km
Resistance unbalance	≤ 2%
Insulation resistance (500 V)	≥ 2000 MΩ *km
Mutual Capacitance at 800 Hz	Nom. 43 nF/km
Capacitance unbalance (pair to ground)	≤ 1500 pF/km
Mean Characteristic impedance 100 MHz	(100 ± 5) Ω
Nominal velocity of propagation	Nom. 79 %
Propagation delay	Nom. 427 ns/100m
Delay skew	Nom. 12 ns/100m
Test voltage (DC, 1 min) core/core and core/screen	Nom. 1000 V
Transfer impedance	At 1 MHz; ≤ 20mΩ / m
	At 10 MHz; ≤ 50mΩ / m
	At 30 MHz; ≤ 100mΩ / m
Coupling Attenuation	≥ 55dB



### Application

Primary (Campus)  
Secondary (Riser)  
Tertiary (Horizontal)  
IEEE 802.3: 10Base-T; 100Base-T;  
1000Base-T;  
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

### Standards

EIA/TIA 568C;  
ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5  
EN 50173; EN 50288-3-1

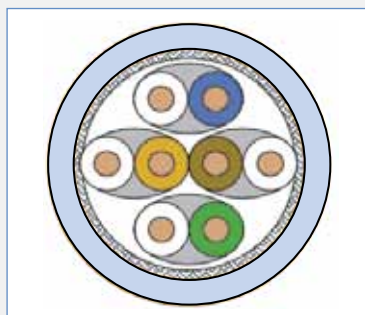
### Flame resistance

LSZH IEC 60332-1; IEC 60754;  
IEC 61034

### Ordering Information

SAP IC	UC P/N	Product Description	P.U
TBA	84075	UC 500 Cat 6a F/FTP 23 AWC, Individual pair foil, LSZH	500m/reel

## 2.3. Cables



### Application

Primary (Campus)  
Secondary (Riser)  
Tertiary (Horizontal)  
IEEE 802.3: 10Base-T; 100Base-T;  
1000Base-T;  
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

### Standards

EIA/TIA 568-C;  
ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5  
EN 50173; EN 50288-3-1

### Flame resistance

LSZH IEC 60332-1; IEC 60754;  
IEC 61034  
LSFRZH IEC 60332-3-24

# UC500 23 Cat.6A S/FTP

Standard, Solid, LSZH



### Construction

Conductor	Bare copper wire Ø 0.56 mm (AWG23/1)
Insulation	Foam PE , Nom. Ø 1.34 mm
Sheath	LSZH
Sheath colour	BLUE
Pair Screen	High Performance Individual Pair Screen
Overall Screen	Copper Braid tinned ; drain wire AWG26 tinned
Outer Diameter	Nom. 8.05 mm
Weight	Nom. 68.84 kg /km

### Mechanical properties

Minimum bending radius without load	8 x Diameter
Minimum bending radius with load	8 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

### Electrical properties at 20°C

DC loop resistance	≤ 176 Ω/km
Resistance unbalance	≤ 2%
Insulation resistance (500 V)	≥ 2000 MΩ *km
Mutual Capacitance at 800 Hz	Nom. 43 nF/km
Capacitance unbalance (pair to ground)	≤ 1500 pF/km
Mean Characteristic impedance 100 MHz	(100 ± 5) Ω
Nominal velocity of propagation	Nom. 79 %
Propagation delay	Nom. 427 ns/100m
Delay skew	Nom. 12 ns/100m
Test voltage (DC, 1 min) core/core and core/screen	Nom. 1000 V
Transfer impedance	At 1 MHz; ≤ 20mΩ / m At 10 MHz; ≤ 50mΩ / m At 30 MHz; ≤ 100mΩ / m
Coupling Attenuation	≥ 55dB

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.

### Ordering Information

SAP IC	UC P/N	Product Description	P.U
TBA	85075	UC 500 Cat 6a S/FTP 23 AWG, Individual pair foil, 40% braid, LSZH	500m/reel
TBA	85048	UC 500 Cat 6a S/FTP 23 AWG, Individual pair foil, 40% braid, LSFRZH	500m/reel

# UC900 HS23 Cat.7 S/FTP

Standard, Solid, LSZH



## Construction

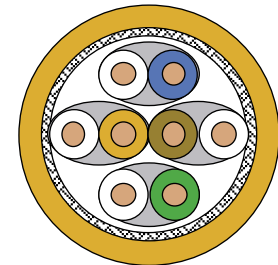
Conductor	Bare copper wire, Ø 0.56 mm (AWG 23)
Insulation	Foamskin PE, Ø 1.38 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PiMF) to the core
Screen	copper braid, tinned (ca. 40 % coverage)
Sheath	LSZH or LSFRZH, orange

## Mechanical properties

Bending radius	without load	≥ 30 mm
	with load	≥ 60 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

## Electrical properties at 20°C ± 5°C

Loop resistance		≤ 165 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 2000 MΩ*km
Mutual capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km
Characteristic impedance	(1-100 MHz)	(100 ± 5) Ω
	(100 - 250) MHz	(100 ± 10) Ω
	(250 - 600) MHz	(100 ± 15) Ω
Nominal velocity of propagation		ca. 79 %
Propagation delay		≤ 427 ns/100m
Delay skew		≤ 12 ns/100m
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Transfer impedance	At 1 MHz	≤ 12 mΩ /m Grade 2
	At 10 MHz	≤ 10 mΩ /m Grade 2
	At 30 MHz	≤ 30 mΩ /m Grade 2
Coupling attenuation		≥ 80 dB Type 2
Segregation classification acc. EN 50174-2		„D“



## Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)  
IEEE 802.3: 10Base-T; 100Base-T;  
1000Base-T; 10GBase-T  
IEEE 802.5 16 MB; ISDN; TPDDI;  
ATM

## Standards

EN 50173-1; EN 50288-4-1  
ISO/IEC 11801; IEC 61156-5

## Flame resistance

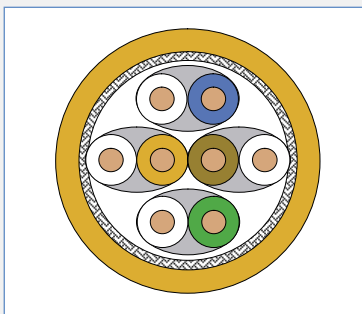
LSZH IEC 60332-1; IEC 60754;  
IEC 61034

## Ordering Information

SAP IC	UC P/N	Product Description	P.U
1001036	73075	UC 900 HS23 Cat.7 S/FTP, Individual pair foil, 40% braid, LSZH	500m/reel



### 2.4. Cables



#### Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)  
IEEE 802.3: 10Base-T; 100Base-T;  
1000Base-T; 10GBase-T  
IEEE 802.5 16 MB; ISDN; TPDDI;  
ATM  
Power over Ethernet (PoE) / PoE+

#### Standards

EN 50173-1; EN 50288-4-1  
ISO/IEC 11801; IEC 61156-5  
IEEE 802.3af

#### Flame resistance

LSZH IEC 60332-1; IEC 60754;  
IEC 61034  
LSFRZH IEC 60332-3-24

## UC900 SS23 Cat.7 S/FTP

Standard, Solid, LSZH



#### Construction

Conductor	Bare copper wire, Ø 0.56 mm (AWG23/1)
Insulation	Foamskin PE, Ø 1.38 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PiMF) to the core
Screen	copper braid, tinned
Sheath	LSZH or LSFRZH, orange

#### Mechanical properties

Bending radius	without load	≥ 30 mm
	with load	≥ 60 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

#### Electrical properties at 20°C ± 5°C

Loop resistance		≤ 165 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 2000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
Mean characteristic impedance	(1-100 MHz)	(100 ± 5) Ω	
Nominal velocity of propagation		ca. 79 %	
Propagation delay		≤ 427 ns/100m	
Delay skew		≤ 12 ns/100m	
Test voltage	(DC, 1 min) core/core and core/screen	1000 V	
Transfer impedance	At 1 MHz	≤ 5 mΩ /m	Grade 1
	At 10 MHz	≤ 5 mΩ /m	Grade 1
	At 30 MHz	≤ 10 mΩ /m	Grade 1
Coupling attenuation		≥ 85 dB	Type 1
Segregation classification acc. EN 50174-2		„D“	

#### Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011543	72075	UC 900 SS23 Cat.7 S/FTP, Individual pair foil, copper braid, LSZH	500m/reel
60015274	72048	UC 900 SS23 Cat.7 S/FTP, Individual pair foil, copper braid, LSFRZH	500m/reel

# UC1200 HS23 Cat.7<sub>A</sub> S/FTP

Standard, Solid, LSZH



## Construction

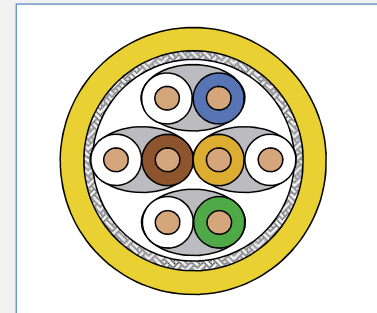
<b>Conductor</b>	Bare copper wire Ø 0.58 mm (AWG 23/1)
<b>Insulation</b>	Foamskin Polyethylene, Ø 1.4 mm
<b>Twisting</b>	2 cores to the pair
<b>Pair screen</b>	Al-laminated plastic foil
<b>Cable lay up</b>	4 pairs to the core
<b>Screen</b>	Copper braid, tinned
<b>Sheath</b>	Halogen free, flame retardant sheathing material; LSZH, melon yellow RAL 1028

## Mechanical properties

<b>Bending radius</b>	without load	≥ 35 mm
	with load	≥ 70 mm
<b>Temperature range</b>	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

## Electrical properties at 20°C ± 5°C

Loop resistance		≤ 135 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
Mean characteristic impedance	@ 100 MHz	(100 ± 5) Ω	
Nominal velocity of propagation		ca. 76 %	
Propagation delay		439 ns/100m	
Delay skew		12 ns/100m	
Test voltage	(DC, 1 min) core/core and core/screen	1000 V	
Transfer impedance	At 1 MHz	≤ 12 mΩ / m	Grade 2
	At 10 MHz	≤ 10 mΩ / m	Grade 2
	At 30 MHz	≤ 30 mΩ / m	Grade 2
Coupling attenuation		≥ 80 dB	Type 2
Segregation classification acc. EN 50174-2		„D“	



## Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)  
IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, 10GBase-T; IEEE 802.5 ISDN, TPDDI, ATM, CATV, Broadband Video

## Standards

EN 50173-1; ISO/IEC 11801; IEC 61156-5

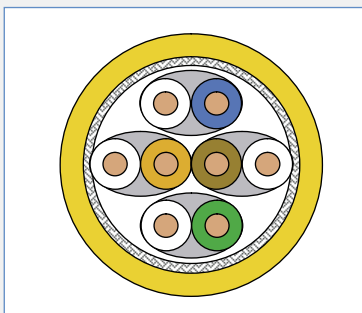
## Flame resistance

LSZH IEC 60332-1; IEC 60754;  
IEC 61034  
LSFRZH IEC 60332-3-24

## Ordering Information

SAP IC	UC P/N	Product Description	P.U
<b>60011415</b>	95075	UC 1200 HS23 Cat.7A S/FTP, Individual pair foil, copper braid, LSZH	500m/reel
<b>TBC</b>	95048	UC 1200 HS23 Cat.7A S/FTP, Individual pair foil, copper braid, LSFRZH	500m/reel

### 2.5. Cables



#### Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)  
IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, 10GBase-T; IEEE 802.5  
ISDN, TPDDI, ATM, CATV, Broadband Vide

#### Standards

EN 50173-1; ISO/IEC 11801;  
IEC61156-5; EN 50288-9-1

#### Flame resistance

LSFRZH IEC 60332-3-24

# UC1200 SS23 Cat.7<sub>A</sub> S/FTP

Standard, Solid, LSZH



#### Construction

<b>Conductor</b>	Bare copper wire Ø 0.58 mm (AWG23/1)
<b>Insulation</b>	Foam-Skin PE, Ø 1.4 mm
<b>Twisting</b>	2 cores to the pair
<b>Pair screen</b>	Al-laminated plastic foil around each pair
<b>Cable lay up</b>	4 pairs
<b>Screen</b>	Copper braid, tinned
<b>Sheath</b>	Halogen free, flame and fire retardant sheathing material: LSFRZH (LSFROH), yellow, (RAL 1028)

#### Mechanical properties

<b>Bending radius</b>	without load	4 x D
	with load	8 x D
<b>Temperature range</b>	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

#### Electrical properties at 20°C ± 5°C

Loop resistance		≤ 135 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
Mean characteristic impedance	@ 100 MHz	(100 ± 5) Ω	
Nominal velocity of propagation		ca. 76 %	
Propagation delay		439 ns/100m	
Delay skew		12 ns/100m	
Test voltage	(DC, 1 min) core/core and core/screen	1000 V	
Transfer impedance	At 1 MHz	≤ 5 mΩ /m	Grade 1
	At 10 MHz	≤ 5 mΩ /m	Grade 1
	At 30 MHz	≤ 10 mΩ /m	Grade 1
Coupling attenuation		≥ 85 dB	Type 1
Segregation classification acc. EN 50174-2		„D“	

#### Ordering Information

SAP IC	UC P/N	Product Description	P.U
60015755	92048	UC 1200 SS23 Cat.7A S/FTP, Individual pair foil, copper braid, LSFRZH	500m/reel

UC1500 HS22 Cat.7<sub>A</sub> S/FTP

Standard, Solid, LSZH



2.5. Cables

## Construction

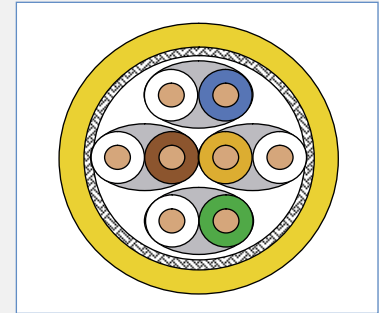
Conductor	Bare copper wire Ø 0.62 mm (AWG22/1)
Insulation	Foam-Skin Polyethylene, Ø 1.5 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil around each pair
Cable lay up	4 pairs
Screen	Copper braid, tinned
Sheath	Halogen free, flame or fire retardant sheathing material; LSZH melon yellow RAL 1028 Duplex design with divider

## Mechanical properties

Bending radius	without load	≥ 30 mm
	with load	≥ 70 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

## Electrical properties at 20°C ± 5°C

Loop resistance		≤ 128 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
Characteristic impedance	@ 100 MHz	100 ± 5 Ω	
Nominal velocity of propagation		79 %	
Propagation delay		≤ 450 ns/100m	
Delay skew		≤ 15 ns/100m	
Transfer impedance	At 1 MHz	≤ 12 mΩ /m	Grade 2
	At 10 MHz	≤ 10 mΩ /m	Grade 2
	At 30 MHz	≤ 30 mΩ /m	Grade 2
Coupling attenuation		≥ 80 dB	Type 2
Segregation classification acc. EN 50174-2		„D“	



## Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)  
 IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, 10GBase-T; IEEE 802.5  
 ISDN, TPDDI, ATM, CATV, Broad-band Video  
 Power over Ethernet (PoE) / PoE+

## Standards

EN 50173-1; ISO/IEC 11801;  
 IEC61156-5; EN50288-9-1; IEEE 802.3at

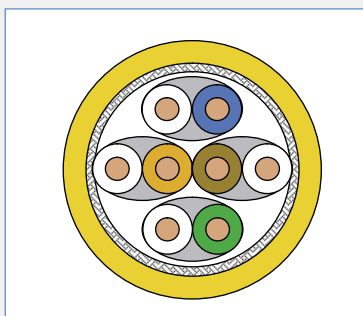
## Flame resistance

LSZH IEC 60332-1; IEC 60754;  
 IEC 61034  
 LSFRZH IEC 60332-3-24

## Ordering Information

SAP IC	UC P/N	Product Description	P.U
60022022	97075	UC 1500 HS22 Cat.7A S/FTP, Individual pair foil, copper braid, LSZH	500m/reel
60013297	97048	UC 1500 HS22 Cat.7A S/FTP, Individual pair foil, copper braid, LSFRZH	500m/reel

### 2.5. Cables



### Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)  
IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, 10GBase-T; IEEE 802.5 ISDN, TPDDI, ATM, CATV, Broad-band Video, SOHO-Cabling  
Power over Ethernet (PoE) / PoE+

### Standards

EN 50173-1; ISO/IEC 11801;  
EN 50288-9-1; IEC61156-5;  
IEC61156-7; IEEE 802.3at

### Flame resistance

LSFRZH IEC 60332-3-24

# UC1500 SS22 Cat.7A S/FTP

Standard, Solid, LSZH



### Construction

<b>Conductor</b>	Bare copper wire Ø 0.64 mm (AWG22/1)
<b>Insulation</b>	PE, Ø 1.6 mm
<b>Twisting</b>	2 cores to the pair
<b>Pair screen</b>	4 pairs
<b>Cable lay up</b>	Al-laminated plastic foil around each pair
<b>Screen</b>	Copper braid, tinned Ø 7.0mm
<b>Sheath</b>	Halogen free, fire retardant sheathing material; LSFRZH, melon yellow RAL 1028

### Mechanical properties

<b>Bending radius</b>	without load	4 x D
	with load	8 x D
<b>Temperature range</b>	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

### Electrical properties at 20°C ± 5°C

Loop resistance		≤ 110 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1200 pF/km	
Mean characteristic impedance	@ 100 MHz	100 ± 5 Ω	
Nominal velocity of propagation		79 %	
Propagation delay		450 ns/100m	
Delay skew		15 ns/100m	
Transfer impedance	At 1 MHz	≤ 5 mΩ /m	Grade 1
	At 10 MHz	≤ 5 mΩ /m	Grade 1
	At 30 MHz	≤ 10 mΩ /m	Grade 1
Coupling attenuation		≥ 85 dB	Type 1
Segregation classification acc. EN 50174-2		„D“	

### Ordering Information

SAP IC	UC P/N	Product Description	P.U
<b>60015807</b>	94048	UC 1500 SS22 Cat.7A S/FTP, Individual pair foil, copper braid, LSFRZH	500m/reel



# UC<sup>FUTURE</sup> COMPACT22 Cat8.2 S/FTP 2000MHz

Standard, Solid, LSFRZH



## Construction

<b>Conductor</b>	Bare copper wire Ø 0.64 mm (AWG22)
<b>Insulation</b>	Foam-Skin Polyethylen, Ø 1.6 mm
<b>Twisting</b>	2 cores to the pair
<b>Cable lay up</b>	4 pairs
<b>Pair screen</b>	Al-laminated plastic foil around each pair
<b>Overall screen</b>	Copper braid, tinned
<b>Sheath</b>	Halogen free, fire retardant sheathing material; LSFRZH acc. EN50289-2-27, yellow RAL 1021
<b>Outer diameter</b>	Nom. 8.5 mm
<b>Weight</b>	Nom. 80 kg/km
<b>Tensile force</b>	340

## Mechanical properties

<b>Bending radius</b>	Installation	4 x D
	Installed	8 x D
<b>Temperature range</b>	During operation	-20°C to + 60°C
	During installation	0°C to + 50°C

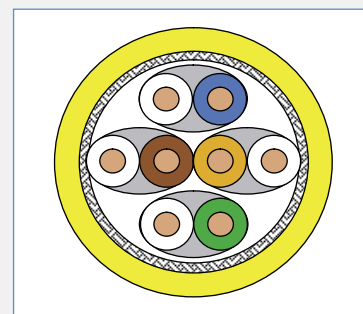
## Electrical properties

DC loop resistance		≤ 130 Ω/km	
Resistance unbalance		≤ 1%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1200 pF/km	
Mean Characteristic impedance	@ 100 MHz	100 ± 5 Ω	
Nominal velocity of propagation		Nom. 73%	
Delay skew		20 ns/100 m	
Transfer impedance	At 1 MHz	5 mΩ / m	Grade 1
	At 10 MHz	5 mΩ / m	Grade 1
	At 30 MHz	10 mΩ / m	Grade 1
	At 100 MHz	20 mΩ / m	Grade 1
Coupling attenuation		85 dB	Type 2
Segregation classification acc. EN 50174-2		„D“	

## Ordering Information

SAP IC	UC P/N	Product Description	P.U
60030331	98048	UC <sup>FUTURE</sup> COMPACT22 Cat.8.2 S/FTP 4P 2000MHz LSFRZH	500m/reel

## 2.6.Cables



## Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)  
IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, 10GBase-T; 40GBase-T  
ISDN, TPDDI, ATM, CATV, Breitband-Video, SOHO-Cabling  
Power over Ethernet

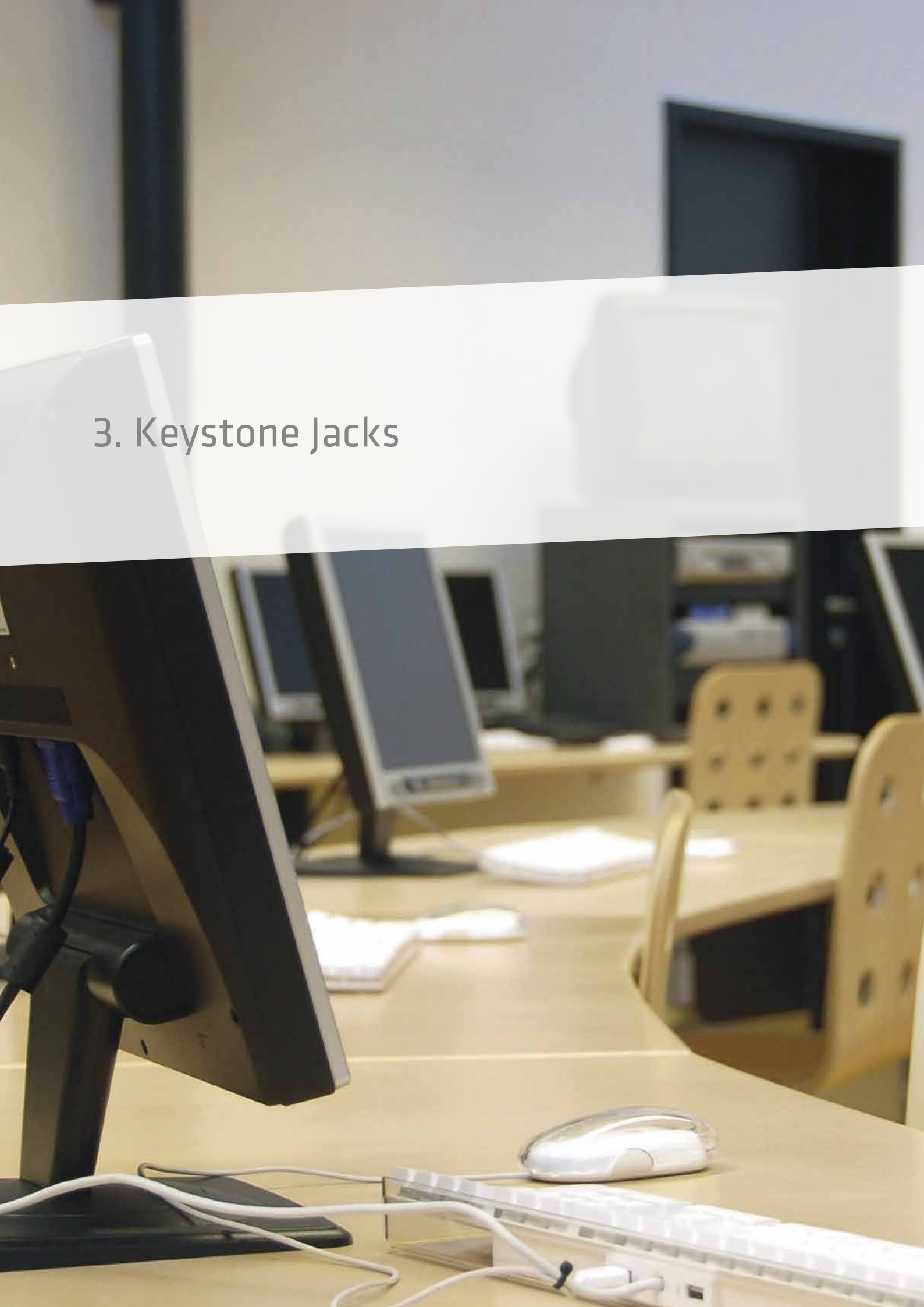
## Standards

EN 50173-1; ISO/IEC 11801; EN 50288-9-1;  
IEC 61156-5; IEC 61156-9 (46C/989/CD)  
PoE: IEEE 802.3af; IEEE 802.3at;  
IEEE 802.3bt

## Flame resistance

LSFRZH IEC 60332-3-24

### 3. Keystone Jacks



## UC C300 MJ TS U BU

Keystone Jack, Cat.5e, RJ45, UTP, 180°, Tool Fast, Blue



## 3.1 Keystone Jacks

## Specification

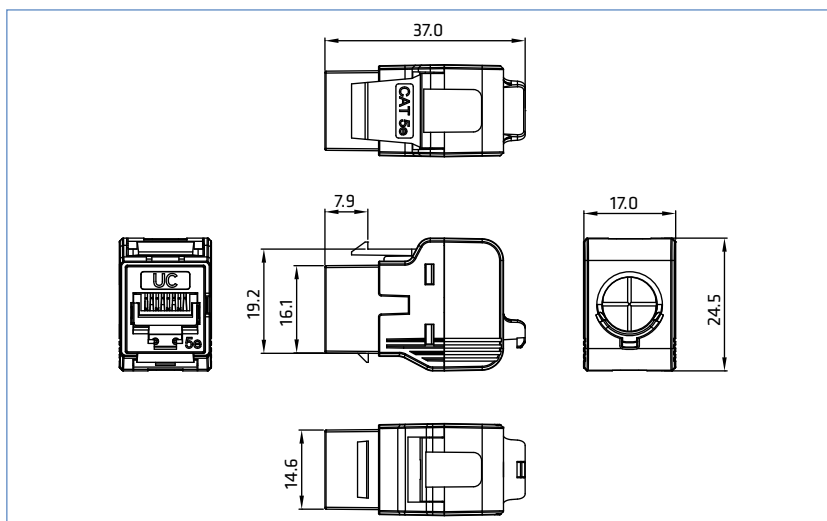
Item	Description
<b>RJ45 Housing</b>	ABS+PC, UL94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Re-Termination</b>	10 Cycles
<b>Wire Size Capability</b>	24 ~ 26 AWG solid wire



- Category 5e hardware compliant performance.
- ToolFast Technology, reduces up to 40% termination time.
- High Density Design provides optimize usage of rack space.
- Requires ToolFast P/N CJ9240.
- Component level tested.



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YMJBP00335	MJTR9660	UC C300 MJ TS U BU	Keystone Jack, Cat.5e, RJ45, UTP, 180°, Tool Fast, Blue	1pc/bag

## 3.1 Keystone Jacks



- Category 5e hardware compliant performance.
- ToolFast Technology, reduces up to 40% termination time.
- High Density Design provides optimize usage of rack space.
- Requires ToolFast P/N CJ9240.
- Component level tested.

# UC C300 MJ TS S

Keystone Jack, Cat.5e, RJ45, FTP, 180°, Tool Fast, Shielded

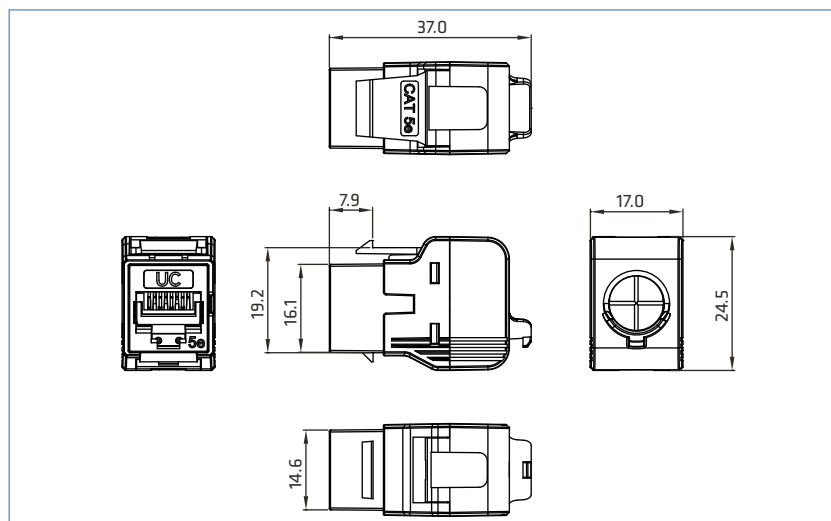


## Specification

Item	Description
<b>RJ45 Housing</b>	Metalized ABS
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Re-Termination</b>	10 Cycles
<b>Wire Size Capability</b>	24 ~ 26 AWG solid wire



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YMJBPO0336</b>	MJTR9661	UC C300 MJ TS S	Keystone Jack, Cat.5e, RJ45, FTP, 180°, Tool Fast, Shielded	1pc/bag

\* can also be used for Cat 5e FTP

# UC C300 MJ TR U WH V1/ BK V1

Keystone Jack, Cat. 5e, RJ45, UTP, 180°, Punch-down, White/ Black



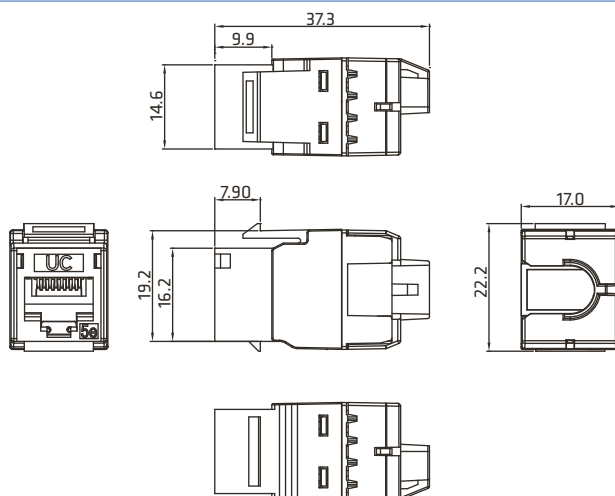
3.1 Keystone Jacks

## Specification

Item	Description
<b>RJ45 Housing</b>	ABS+PC, UL94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>IDC Type</b>	110
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	24 ~ 26 AWG solid wire



- Category 5e hardware compliant performance.
- High Density Design provides optimize usage of rack space.
- Requires Punch-down Tool P/N CJ9340.
- Component level tested.

## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YMJB01563</b>	MJTR8660W	UC C300 MJ TR U WH V1	Keystone Jack, Cat. 5e, RJ45, UTP, 180°, Punch-down, White	1pc/bag
<b>YMJB01564</b>	MJTR8660B	UC C300 MJ TR U BK V1	Keystone Jack, Cat. 5e, RJ45, UTP, 180°, Punch-down, Black	1pc/bag

## 3.1 Keystone Jacks



- Category 5e hardware compliant performance.
- Tool-free termination.
- High Density Design provides optimize usage of rack space.
- Component level tested.

# UC C300 KJ TF U WH V1/ BK V1

Keystone Jack, Cat.5e, RJ45, UTP, 90° Tool Free, White/ Black

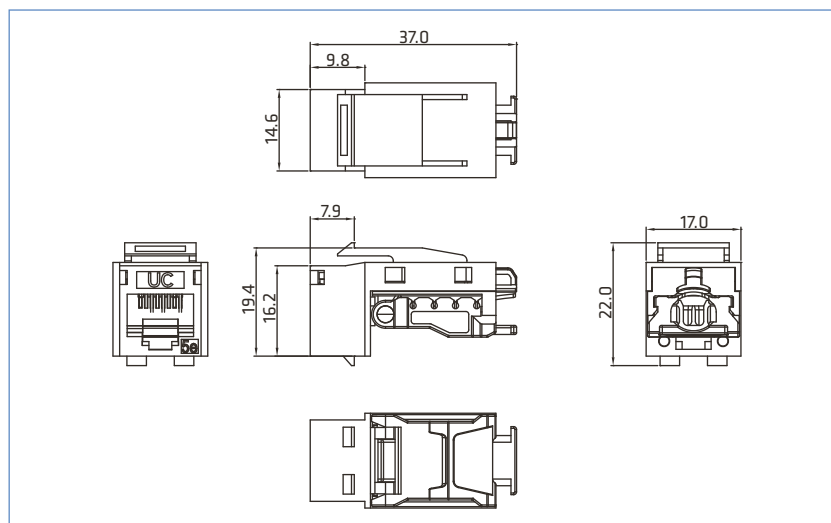


## Specification

Item	Description
<b>RJ45 Housing</b>	ABS+PC, UL94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	24 ~ 26 AWG solid wire



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YKJBP01007</b>	KJTF1250W	UC C300 KJ TF U WH V1	Keystone Jack, Cat.5e, RJ45, UTP, 90° Tool Free, White	1pc/bag
<b>YKJBP01008</b>	KJTF1250B	UC C300 KJ TF U BK V1	Keystone Jack, Cat.5e, RJ45, UTP, 90° Tool Free, Black	1pc/bag



# UC C300 MJ TF U WH V1/ BK V1

Keystone Jack, Cat. 5e, RJ45, UTP, 180°, Tool Free, White/ Black



3.1 Keystone Jacks

## Specification

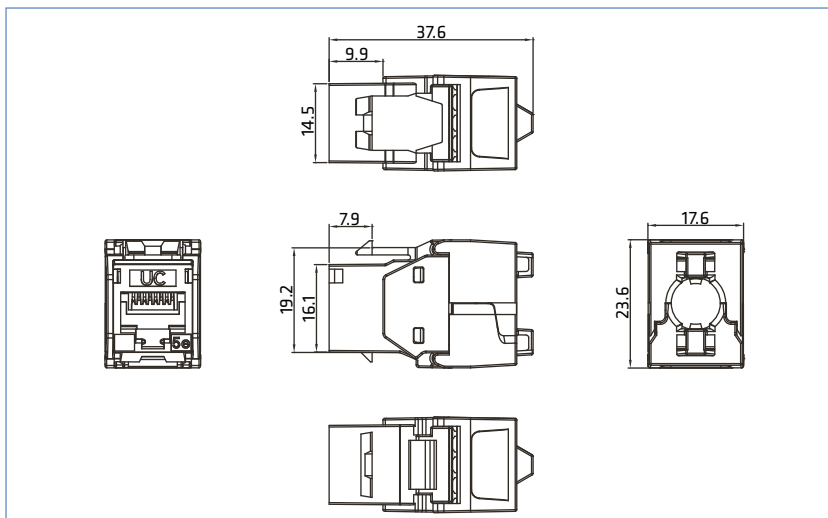
Item	Description
<b>RJ45 Housing</b>	ABS+PC, UL94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	24 ~ 26 AWG solid wire



- Category 5e hardware compliant performance.
- Tool-free termination.
- High Density Design provides optimize usage of rack space.
- Component level tested.



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YMJB01565</b>	MJTF1252W	UC C300 MJ TF U WH V1	Keystone Jack, Cat. 5e, RJ45, UTP, 180°, Tool Free, White	1pc/bag
<b>YMJB01566</b>	MJTF1252B	UC C300 MJ TF U BK V1	Keystone Jack, Cat. 5e, RJ45, UTP, 180°, Tool Free, Black	1pc/bag

## 3.2 Keystone Jacks



- Category 6 hardware compliant performance.
- ToolFast Technology, reduces up to 40% termination time.
- High Density Design provides optimize usage of rack space.
- Requires ToolFast P/N CJ9240.
- Component level tested.

# UC C400 MJ TS U BU

Keystone Jack, Cat.6, RJ45, UTP, 180°, Tool Fast, Blue

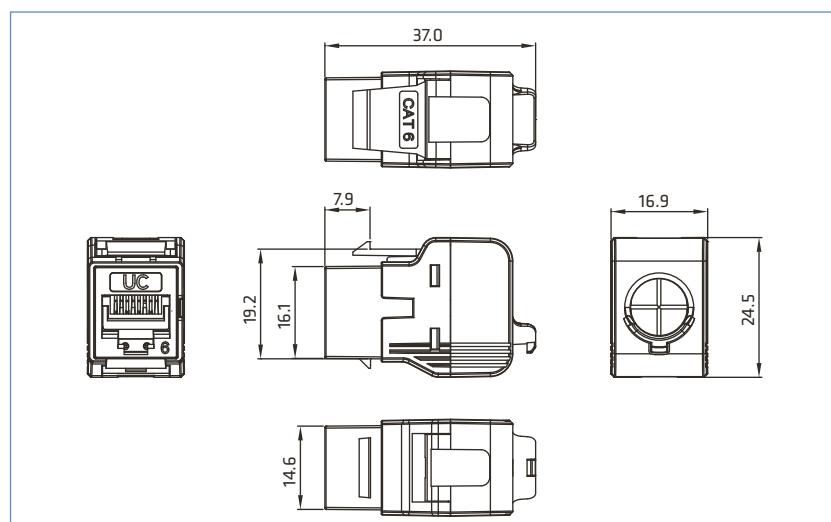


## Specification

Item	Description
<b>RJ45 Housing</b>	ABS+PC, UL94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Re-Termination</b>	10 Cycles
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YMJB00337	MJTR9667	UC C400 MJ TS U BU	Keystone Jack, Cat.6, RJ45, UTP, 180°, Tool Fast, Blue	1pc/bag

# UC C400 MJ TS S

Keystone Jack, Cat. 6, RJ45, FTP, 180°, Tool Fast, Shielded



## Specification

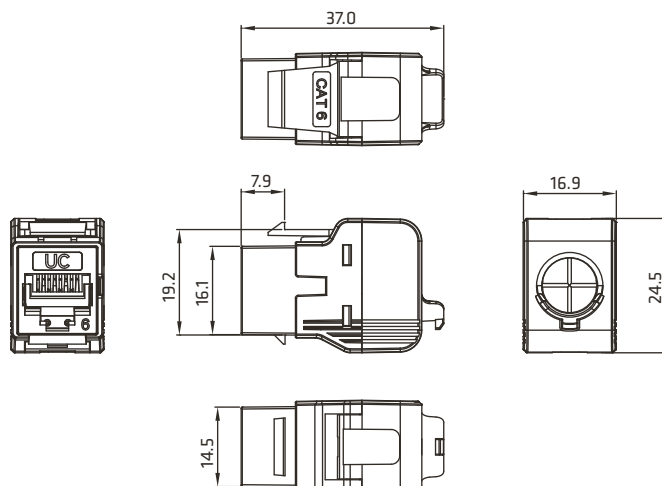
Item	Description
<b>RJ45 Housing</b>	Metalized ABS
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Re-Termination</b>	10 Cycles
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



- Category 6 hardware compliant performance.
- ToolFast Technology, reduces up to 40% termination time.
- High Density Design provides optimize usage of rack space.
- Requires ToolFast P/N CJ9240.
- Component level tested.



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YMJBPO0338</b>	MJTR9669	UC C400 MJ TS S	Keystone Jack, Cat. 6, RJ45, FTP, 180°, Tool Fast, Shielded	1pc/bag

\* can also be used for Cat 6 FTP

## 3.2 Keystone Jacks



- Category 6 hardware compliant performance.
- High Density Design provides optimize usage of rack space.
- Requires Punch-down Tool P/N CJ9340.
- Component level tested.

# UC C400 MJ TR U WH V1/ BK V1

Keystone Jack,Cat.6,RJ45,UTP, 180° Punch-down, Tool, Solid White/ Black

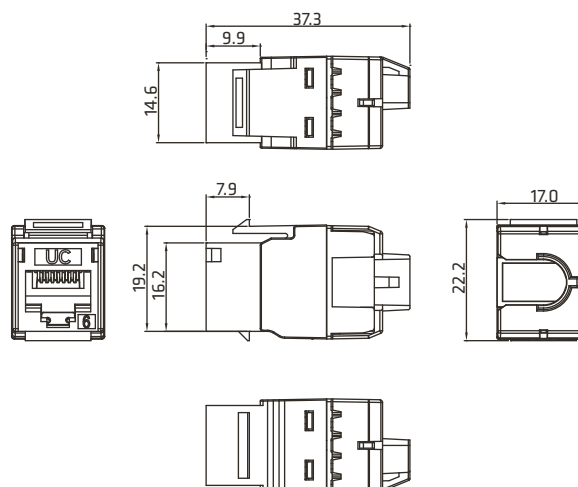


## Specification

Item	Description
<b>RJ45 Housing</b>	ABS+PC, UL94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>IDC Type</b>	110
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	24 ~ 26 AWG solid wire



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YMJB01567</b>	MJTR8667W	UC C400 MJ TR U WH V1	Keystone Jack,Cat.6,RJ45,UTP, 180° Punch-down, Tool, Solid White	1pc/bag
<b>YMJB01568</b>	MJTR8667B	UC C400 MJ TR U BK V1	Keystone Jack,Cat.6,RJ45,UTP, 180° Punch-down, Tool, Solid Black	1pc/bag

# UC C400 KJ TF U WH V1/ BK V1

Keystone Jack, Cat. 6, RJ45, UTP, 90° Tool Free, Solid White/ Black



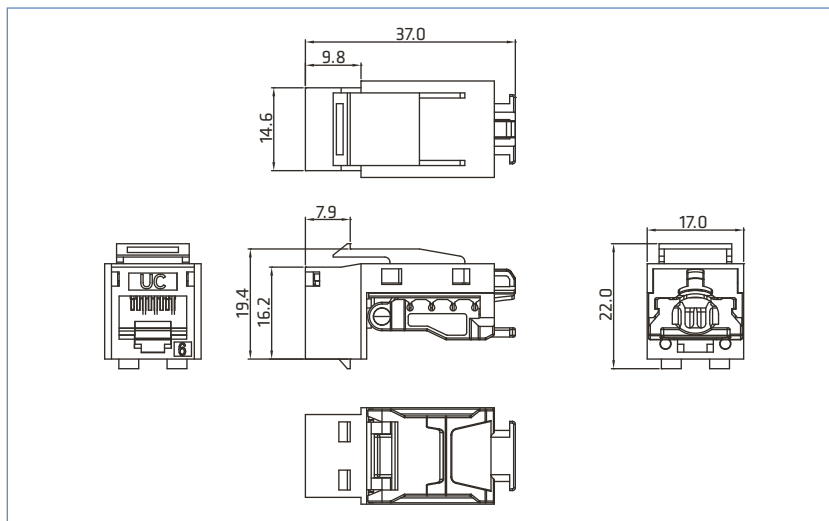
3.2 Keystone Jacks

## Specification

Item	Description
<b>RJ45 Housing</b>	ABS+PC, UL94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



- Category 6 hardware compliant performance.
- Tool-free termination.
- High Density Design provides optimize usage of rack space.
- Component level tested.

## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YKJBP01009</b>	KJTF1264W	UC C400 KJ TF U WH V1	Keystone Jack, Cat. 6, RJ45, UTP, 90° Tool Free, Solid White	1pc/bag
<b>YKJBP01010</b>	KJTF1264B	UC C400 KJ TF U BK V1	Keystone Jack, Cat. 6, RJ45, UTP, 90° Tool Free, Solid Black	1pc/bag

## 3.2 Keystone Jacks



- Category 6 hardware compliant performance.
- Tool-free termination.
- High Density Design provides optimize usage of rack space.
- Component level tested.

# UC C400 MJ TF U WH V1/ BK V1

Keystone Jack,Cat.6,RJ45,UTP, 180° Tool Free, Solid White/ Black

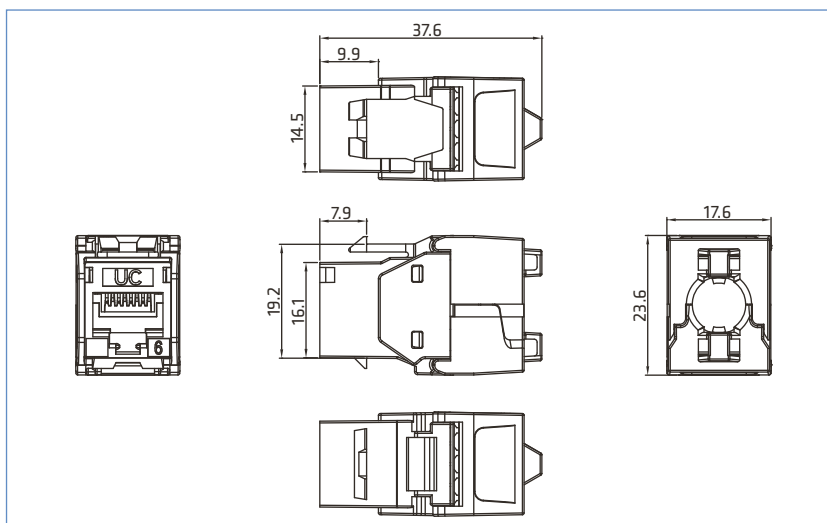


## Specification

Item	Description
<b>RJ45 Housing</b>	ABS+PC, UL94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YMJB01569</b>	MJTF1262W	UC C400 MJ TF U WH V1	Keystone Jack,Cat.6,RJ45,UTP, 180° Tool Free, Solid White	1pc/bag
<b>YMJB01570</b>	MJTF1262B	UC C400 MJ TF U BK V1	Keystone Jack,Cat.6,RJ45,UTP, 180° Tool Free, Solid Black	1pc/bag

# UC C500 MJ TR S V5

Keystone Jack, Cat. 6A, RJ45, FTP, 180°, Tool Fast, Shielded



## 3.3 Keystone Jacks

### Specification

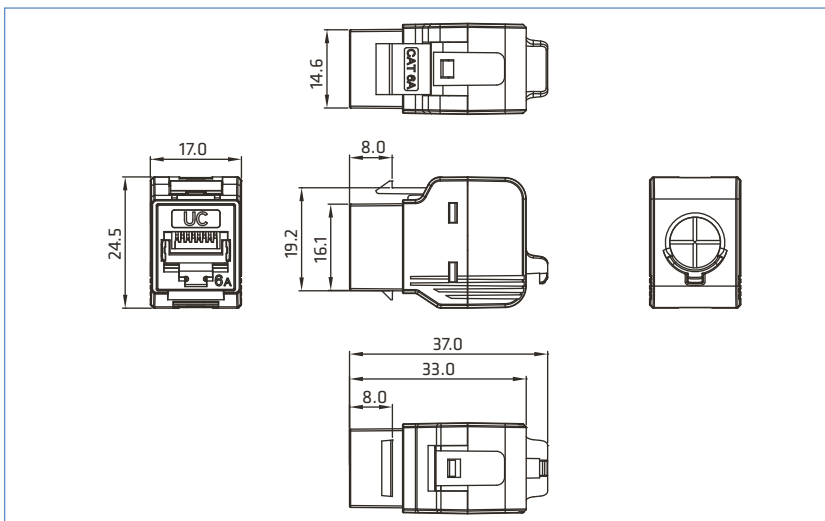
Item	Description
<b>RJ45 Housing</b>	Zinc Alloy with nickel plated
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

### Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Re-Termination</b>	10 Cycles
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



- Category 6A hardware compliant performance.
- Zinc Alloy housing provides 100% EMC and Alien Crosstalk protection.
- ToolFast Technology, reduces up to 40% termination time.
- High Density Design provides optimize usage of rack space.
- Requires ToolFast P/N CJ9240.
- Component level tested.



### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YMBP00340</b>	MJTR9214	UC C500 MJ TR S V5	Keystone Jack, Cat. 6a, RJ45, FTP, 180°, Tool Fast, Shielded	1pc/bag



### 3.3 Keystone Jacks



- Category 6A hardware compliant performance.
- Tool-free termination.
- High Density Design provides optimize usage of rack space.
- Component level tested.

## UC C500 MJ TF U BL

Keystone Jack, Cat. 6A, RJ45, UTP, 180° Tool Free, White

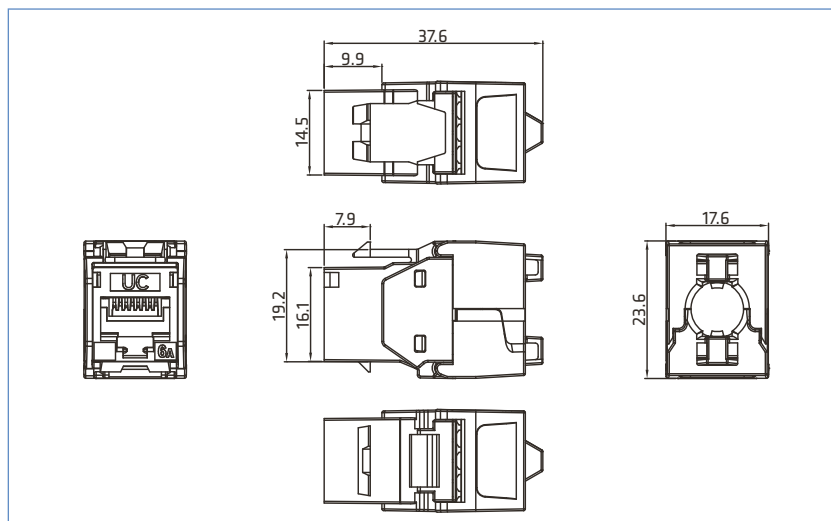


### Specification

Item	Description
<b>RJ45 Housing</b>	ABS+PC, UL94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

### Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YMJB01571	MJTF1270	UC C500 MJ TF U BL	Keystone Jack, Cat. 6A, RJ45, UTP, 180° Tool Free, White	1pc/bag

# UC C500 MJ TF S V6

Keystone Jack, Cat.6A, RJ45, FTP, 180° Tool Free, Shielded



## 3.3 Keystone Jacks

### Specification

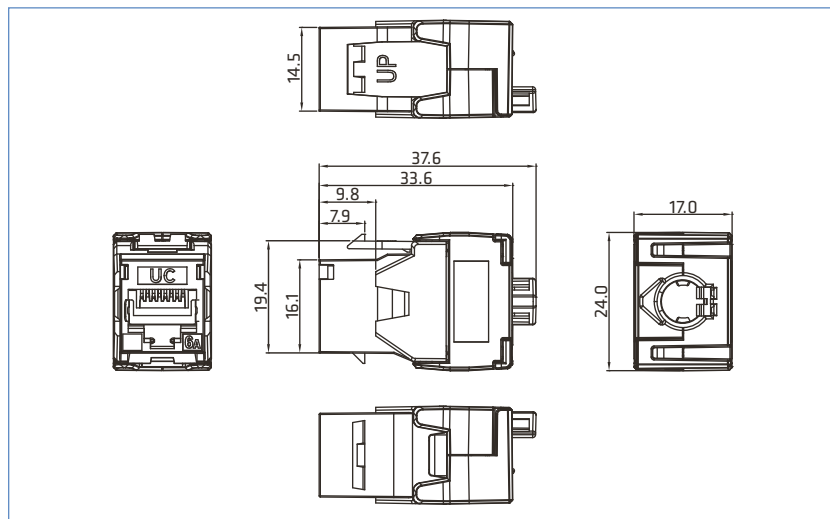
Item	Description
<b>RJ45 Housing</b>	Zinc Alloy with nickel plated
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

### Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



- Category 6A hardware compliant performance.
- Zinc Alloy housing provides 100% EMC and Alien Crosstalk protection.
- Tool-free termination.
- High Density Design provides optimize usage of rack space.
- Component level tested.



### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YMJB01851</b>	MJTF1271	UC C500 MJ TF S V6	Keystone Jack, Cat.6a, RJ45, FTP, 180° Tool Free, Shielded	1pc/bag

\* can also be used for Cat5e and Cat 6 FTP

### 3.3 Keystone Jacks



- Category 6A hardware compliant performance.
- Zinc Alloy housing provides 100% EMC and Alien Crosstalk protection.
- Tool-free termination.
- High Density Design provides optimize usage of rack space.

## UC C500 MJ TF S V2

Keystone Jack, Cat.6A, RJ45, FTP, 180°, Tool Free, Shielded

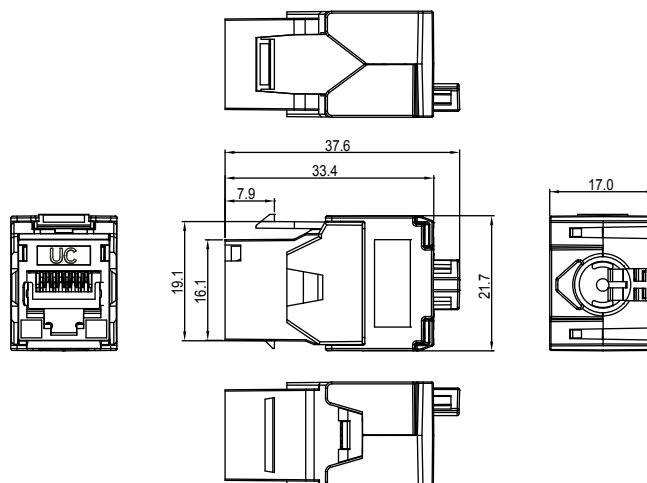
High  
Density

### Specification

Item	Description
<b>RJ45 Housing</b>	Zinc Alloy with nickel plated
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0

### Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Re-Termination</b>	10 Cycles
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>TBA</b>	MJTF1000	UC C500 MJ TF S V2	Keystone Jack, Cat.6A, RJ45, FTP, 180° Tool Free, Shielded, HD	1pc/bag

# UC C500 KJ TF S V3 / V4

Keystone Jack, Cat. 6A, RJ45, FTP, 90° Tool Free, Shielded, Ease Connect /

Keystone Jack, Cat. 6A, Stranded, RJ45, FTP, 90° Tool Free, Shielded, Ease Connect



## Specification

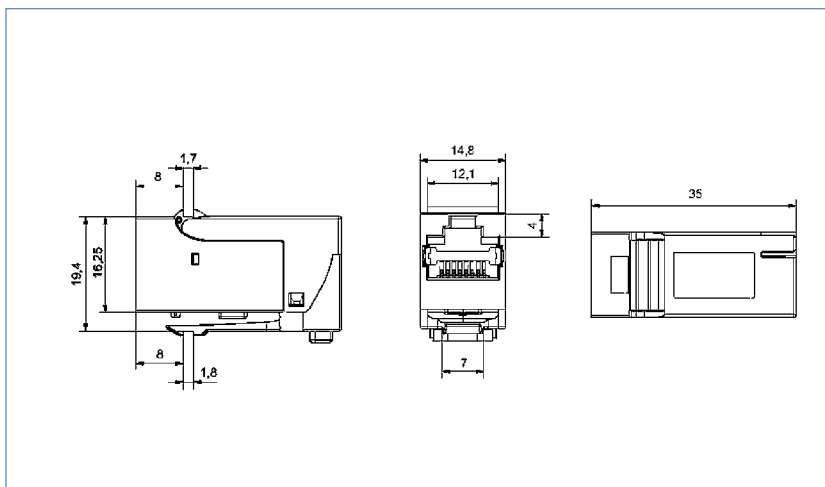
Item	Description
<b>Material Housing</b>	Zinc Die Casting PA
<b>Insulation Material</b>	PC White
<b>Contact Area</b>	30 μ Gold Plated
<b>Wire size compatibility</b>	5-10 mm
<b>Connection class</b>	IP20
<b>Dimensions</b>	19.3 x 14.7 mm
<b>Housing</b>	Zinc die cast Nickel plating
<b>Dimensions</b>	41 x 24 x 18 mm

## Performance

Item	Description
<b>Contact resistance</b>	≤20m
<b>Insulation resistance</b>	≥500m
<b>Operating temperature</b>	-40 °C - +70 °C
<b>Durability</b>	Jack 800 cycles



- 10Gigabit Component level compliance to ISO/IEC 11801:2002 (including Amendment 2 – 2nd Edition), Amendment 2 to CENELEC EN 50173-1 (2010) and IEC 60603-7-51, ANSI TIA 568-C.2
- Easy install facilitated by tool free wire termination
- Fully compatible with our full range of faceplates, adapters and boxes
- PoE+ IEEE 802.3at suitable for Power over Ethernet plus
- Fits into 32 mm back-box/floor-box/grid box with angled adapter



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YMJB00296</b>	KJTF1272	UC C500 KJ TF S V3	Keystone Jack, Cat. 6A, RJ45, FTP, 90° Tool Free, Shielded, Ease Connect	1pc/bag
<b>YMJB00297</b>	KJTF1273	UC C500 KJ TF S V4	Keystone Jack, Cat. 6A, Stranded, RJ45, FTP, 90° Tool Free, Shielded, Ease Connect	1pc/bag



## 4. Patchcords





# UC Copper Patch-Cord GOLD

Premium, Stranded, LSZH



## Features

- **Gold Plated Housing:** To further minimise oxidation and rust
- **Fully Sealed Plug:** Ensure high accuracy contacts are maintained throughout installation and operation
- **Gold Plated Contacts:** 50um to maximise connections
- **Unique Boot Design:** Prevents entanglement during re-insertions

## Specification

Product Family	Related Cable Description
<b>UC C300 Class D Channel, screened</b>	Cat 5e F/UTP 26/7 AWG 4P patch cable LSZH
<b>UC C400 Class E Channel, screened</b>	Cat 6 S/FTP 27/7 AWG 4P patch cable LSZH
<b>UC C400 Class E Channel, unscreened</b>	Cat 6 U/UTP 24/7 AWG 4P patch cable LSZH
<b>UC C500 Class Ea Channel, screened</b>	Cat 6a S/FTP 27/7 AWG 4P patch cable LSZH

## Performance

Item	Description
<b>Flame properties - LSZH</b>	IEC 60332-1, IEC 61034, IEC 60754-1 & 2
<b>Standards</b>	EN 50173 / 50288, ISO / IEC 11801 Amendment 2, IEC 60603-7
<b>Length</b>	1m, 1.5m, 3m, 5m, other lengths upon request

## Patchcords



### Premium flexible patch cables with unique gold plating design

- Flexible stranded bare copper conductor patch cable
- 2xRJ45 connector (TIA568-B coding)
- Color clips or different jacket color options
- Proven performance
- Component level tested



- Colour clips for colour identification available

## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YPGBP00474</b>	PG9561GY-1	UC C300 PG S GY L 00100 V2	F/UTP Cat.5E GOLD Patch cord Grey LSZH 1M	1pc/bag
<b>YPGBP00454</b>	PG9713GY-1	UC C400 PG SF GY L 00100 V2	S/FTP Cat.6 GOLD Patch cord Grey LSZH 27AWG 1M	1pc/bag
<b>YPGBP00434</b>	PG9705GY-1	UC C400 PG UU GY L 00100 V2	U/UTP Cat6 GOLD Patch cord Grey LSZH 24AWG 1M	1pc/bag
<b>YPGBP00414</b>	PG9205GY-1	UC C500 PG SF GY L 00100 V2	S/FTP Cat.6A GOLD Patch cord Grey LSZH 23AWG 1M	1pc/bag

## Patchcords



**Slimmer than normal patch cables with unique flexibility**

- Lesser than 4.5mm OD
- Flexible stranded bare copper conductor patch cable
- 2xRJ45 connector (TIA568-B coding)
- Different jacket color options
- Proven performance
- Component level tested

# UC Copper Patch-Cord SLIMFLEX 30AWG

Premium, Stranded, LSZH



## Features

- **Slim:** Unique tight extrusion for up to 30% reduction in diameter
- **Flexible:** Special grade of highly durable yet flexible stranded copper
- **Gold Plated Contacts:** 50um to maximise connections
- **Unique Boot Design:** Prevents entanglement during re-insertion

## Specification

Product Family	Related Cable Description
UC C500 Class Ea Channel, screened	Cat 6a S/FTP 27/7 AWG 4P patch cable LSZH

## Performance

Item	Description
Flame properties - LSZH	IEC 60332-1, IEC 61034, IEC 60754-1 & 2
Standards	EN 50173 / 50288, ISO / IEC 11801 Amendment 2, IEC 60603-7
Length	1m, 1.5m, 3m, 5m, other lengths upon request

## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
TBA	PS8671WH- 1	UC C500 PS SF WH L 00100 V3	S/FTP Cat6a SLIMF Patch cord WHITE LSZH 1M, 30 AWG, SILVER Plug	1pc/bag
TBA	PS6671WH- 1	UC C500 PS SF WH L 00100 V4	S/FTP Cat6a SLIMF Patch cord WHITE LSZH 1M, 30 AWG, GOLD Plug	1pc/bag



# UC Copper Patch-Cord SLIMFLEX 28AWG

Patchcords

Compact, Stranded, LSZH



## Features

- **Slim:** Unique tight extrusion for up to 30% reduction in diameter
- **Flexible:** Special grade of highly durable yet flexible stranded copper
- **Gold Plated Contacts:** 50um to maximise connections
- **Unique Boot Design:** Prevents entanglement during re-insertion

## Specification

Product Family	Related Cable Description
<b>UC C300 Class D Channel, unscreened</b>	Cat 5e U/UTP 28/7 AWG 4P patch cable LSZH
<b>UC C400 Class E Channel, unscreened</b>	Cat 6 U/UTP 28/7 AWG 4P patch cable LSZH

## Performance

Item	Description
<b>Flame properties - LSZH</b>	IEC 60332-1, IEC 61034, IEC 60754-1 & 2
<b>Standards</b>	EN 50173 / 50288, ISO / IEC 11801 Amendment 2, IEC 60603-7
<b>Length</b>	1m, 1.5m, 3m, 5m, other lengths upon request



**Slimmer than normal patch cables with unique flexibility**

- Lesser than 4mm OD vs normal ~5.4mm
- Flexible stranded bare copper conductor patch cable
- 2xRJ45 connector (TIA568-B coding)
- Different jacket color options
- Proven performance
- Component level tested

## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YPSBP00484</b>	PS9621GY-1	UC C300 PS UU GY L 00100 V2	U/UTP Cat.5E SLIMF Patch cord Grey LSZH 1M	1pc/bag
<b>YPSBP00498</b>	PS9671GY-1	UC C400 PS UU GY L 00100 V2	U/UTP Cat6 SLIMF Patch cord Grey LSZH 1M 28 AWG	1pc/bag



### Highly robust patch cables with bending protection and loss prevention

- Flexible stranded bare copper conductor patch cable
- 2xRJ45 connector (TIA568-B coding)
- Different jacket color options
- Proven performance
- Available in PVC or LSZH
- Component level tested

# UC Copper Patch-Cord DUAL BOOT

Strain Relief, Stranded



### Features

- **Dual Boot Design:** Unique separate moulded boots to maximise protection during patch cable bending, providing excellent loss prevention.
- **Gold Plated Contacts:** 50um to maximise connections
- **Loss prevention:** Unique overall boot design provides excellent head room in performances

### Specification

Product Family	Related Cable Description
<b>UC C300 Class D Channel, unscreened</b>	Cat 5e F/UTP 26/7 AWG 4P patch cable LSZH
<b>UC C300 Class D Channel, screened</b>	Cat 6 S/FTP 27/7 AWG 4P patch cable LSZH
<b>UC C400 Class E Channel, unscreened</b>	Cat 6 U/UTP 24/7 AWG 4P patch cable LSZH
<b>UC C400 Class E Channel, screened</b>	Cat 6a S/FTP 27/7 AWG 4P patch cable LSZH
<b>UC C500 Class Ea Channel, screened</b>	Cat 6a U/FTP 26/7 AWG 4P patch cable LSZH
<b>UC C500 Class Ea Channel, screened</b>	Cat 6a S/FTP 26/7 AWG 4P patch cable LSZH

### Performance

Item	Description
<b>Flame properties - PVC</b>	IEC 60332-1
<b>Flame properties - LSZH</b>	IEC 60332-1, IEC 61034, IEC 60754-1 & 2
<b>Standards</b>	EN 50173 / 50288, ISO / IEC 11801 Amendment 2, IEC 60603-7
<b>Length</b>	1m, 1.5m, 3m, 5m, other lengths upon request

### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YPCBP01022</b>	PC5110GY-1	UC C300 PC UU GY L 00100 V2	U/UTP Cat.5E DBOOT Patch cord Grey PVC 24AWG 1M	1pc/bag
<b>YPCBP01032</b>	PC5120GY-1	UC C300 PC UU GY L 00100 V3	U/UTP Cat.5E DBOOT Patch cord Grey LSZH 24AWG 1M	1pc/bag
<b>YPCBP01042</b>	PC5210GY-1	UC C300 PC S GY L 00100	F/UTP Cat.5E DBOOT Patch cord Grey PVC 26AWG 1M	1pc/bag
<b>YPCBP01052</b>	PC5220GY-1	UC C300 PC S GY L 00100 V1	F/UTP Cat.5E DBOOT Patch cord Grey LSZH 26AWG 1M	1pc/bag
<b>YPCBP01182</b>	PC6110GY-1	UC C400 PC UU GY L 00100 V2	U/UTP Cat.6 DBOOT Patch cord Grey PVC 24AWG 1M	1pc/bag
<b>YPCBP01202</b>	PC6120GY-1	UC C400 PC S GY L 00100	U/UTP Cat.6 DBOOT Patch cord Grey LSZH 24AWG 1M	1pc/bag
<b>YPCBP01212</b>	PC6220GY-1	UC C400 PC S GY L 00100 V1	F/UTP Cat.6 DBOOT Patch cord Grey LSZH 26AWG 1M	1pc/bag
<b>YPCBP01580</b>	PC8320GY-1	UC C500 PC UF GY 00100	U/FTP Cat.6a DBOOT Patch cord Grey LSZH 26AWG 1M	1pc/bag
<b>YPCBP01342</b>	PC8420GY-1	UC C500 PC SF GY L 00100 V1	S/FTP Cat.6a DBOOT Patch cord Grey LSZH 26AWG 1M	1pc/bag



# Draka

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## 5. Panels



## 5.1 PATCH PANELS

UC C300 PW TR U BK 24 1U V1	62
UC C400 PW TR U BK 24 1U V1	63
UC CACC PP U BK 24 1U	64
UC CACC PP SP U BK 24 1U	65
UC CACC PP S BK 24 1U	66
UC CACC PP VP U BK 24 1U	67
UC CACC PP VP S BK 24 1U	68
UC CACC PP U BK 48 2U	69
UC CACC PP S BK 48 1U	70
UC C400 PW TR U BK 24 1U	71
UC C500 PP S BK 24 1U	72
UC C500 PPC S 24 1U	73
UC CACC PP VP S 24 1U V2	74
UC C500 PP HP S 24 V2	75
UC C500 PP S 48 1U	76

## 5.2 SMART PANELS

UC CACC UI U BK 24 1U	77
UC C400 LI U BK 24 1U	78
UC CACC UI S BK 24 1U	79
UC C400 LI S BK 24 1U	80
UC C500 LI U BK 24 1U	81

## 5.3 CABLE MANAGERMENTS

UC CACC CM 1U	82
UC CACC CM 2U	83
UC CACC CM 1U V1	84
UC CACC CM 2U V1	85
UC CACC CM 1U V2	86
UC CACC CM 2U V3	87

### 5.1 Patch Panels



- Category 5e hardware compliant performance.
- “Write on” description label protected by clear plastic holder for clear port marking and identification.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.
- Optional color-coded dust cover available for port protection.
- Component level tested.

## UC C300 PW TR U BK 24 1U V1

19" 1U 24P UTP, Punchdown Panel, RJ45, Cat.5e, 180°

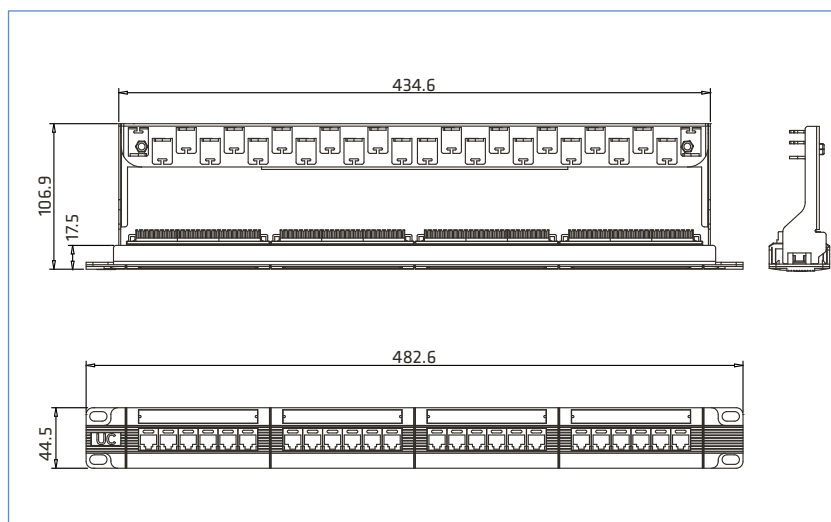


### Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, black coated
<b>Front Cover</b>	ABS+PC, UL94V0
<b>RJ45 Housing</b>	PBT + 15% GF 94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0
<b>Rear Cable Management</b>	SPCC, black coated

### Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>IDC Type</b>	110
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YPWBP00341</b>	PWU9746	UC C300 PW TR U BK 24 1U V1	19" 1U 24P UTP, Punchdown Panel, RJ45, Cat.5e, 180°	1pc/box

## UC C400 PW TR U BK 24 1U V1

19" 1U 24P UTP Punchdown Panel, RJ45, Cat.6,180°



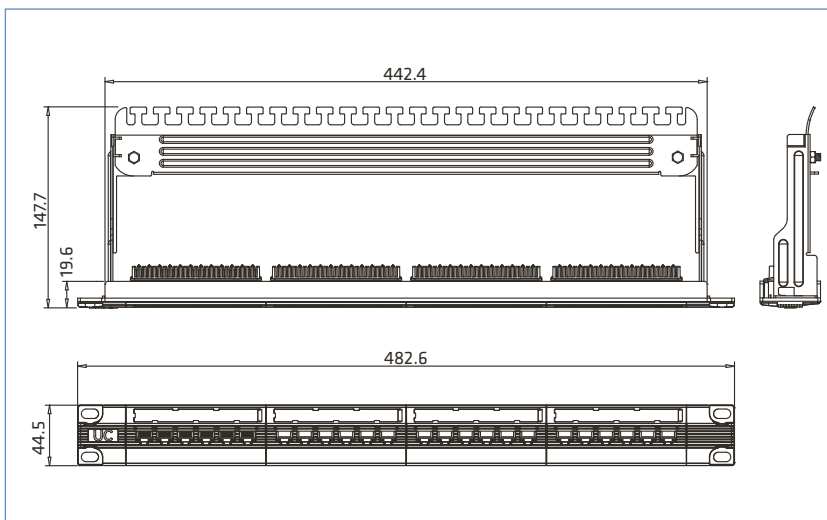
5.1 Patch Panels

## Specification

Item	Description
<b>Panel</b>	Al-Mg alloy, T= 2.5mm, Anodized
<b>Front Cover</b>	ABS+PC, UL94V0
<b>RJ45 Housing</b>	PBT + 15% GF 94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	ABS+PC, UL94V0
<b>PCB</b>	FR4 94V0
<b>Rear Cable Management</b>	Al-Mg alloy, T= 1.5mm, Anodized

## Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>IDC Type</b>	110
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	800 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



- Category 6 hardware compliant performance.
- "Write on" description label protected by clear plastic holder for clear port marking and identification.
- Supplied with rear cable management to ensure proper cable bending radius.
- Al-Mg alloy made panel and cable management reduces 50% of the weight.
- Foldable rear cable management ideal for minimizing packaging size.
- Optional color-coded dust cover available for port protection.
- Component level tested.

## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPWBPO0342	PWU9747	UC C400 PW TR U BK 24 1U V1	19" 1U 24P UTP Punchdown Panel, RJ45, Cat.6,180°	1pc/box



### 5.1 Patch Panels



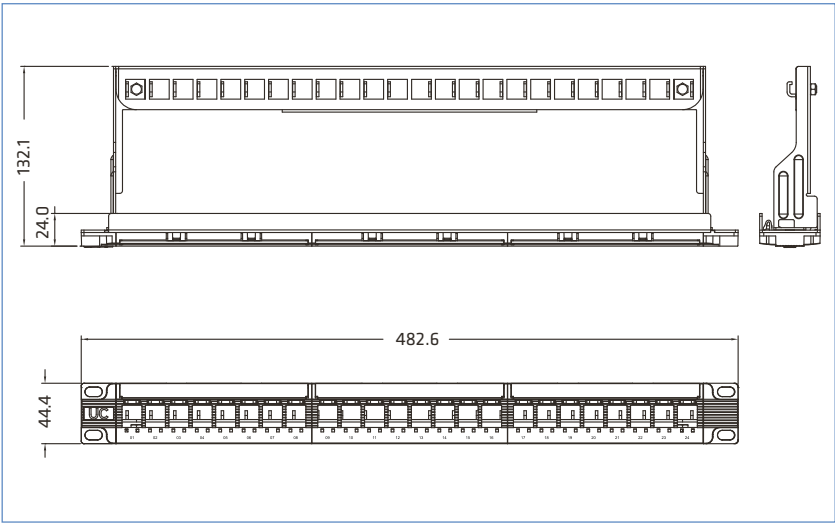
- 1U 24-port high density panel provides optimum usage of rack.
- Front-loadable 8-port bracket for easy installation and maintenance.
- “Write on” description label protected by hinged transparent cover for clear port marking and identification.
- Optional hinged dust cover.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.

# UC CACC PP U BK 24 1U

19" 1U 24P UTP Keystone Panel, Empty, Cat 5e / 6, 180°

### Specification

Item	Description
Panel	SPCC, T=1.8mm, black coated
Modular Bracket	ABS+PC, UL94V0
Rear Cable Management	SPCC, black coated



### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP00344	PPU9749	UC CACC PP U BK 24 1U	19" 1U 24P UTP Keystone Panel, Empty, Cat 5e / 6, 180°	1pc/box

# UC CACC PP SP U BK 24 1U

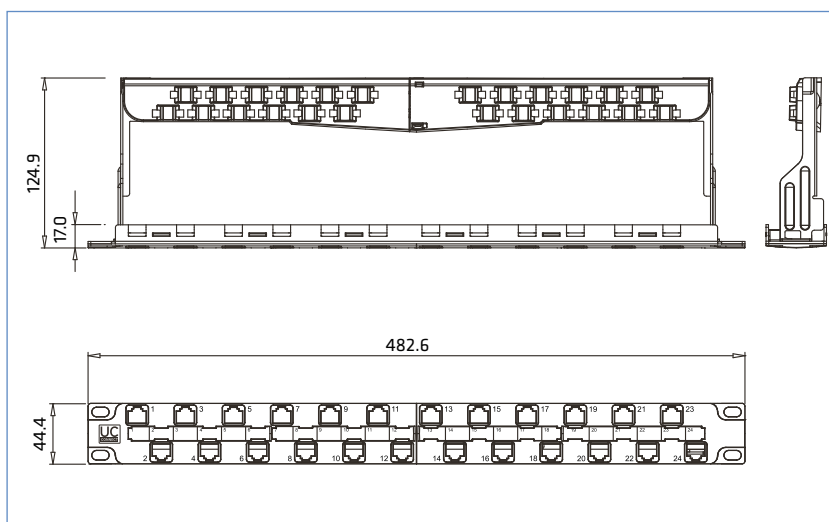
19" 1U 24P UTP Keystone Panel, Empty, Cat 6a, 180°

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, black coated
<b>Front Cover</b>	ABS+PC, UL94V0
<b>Bracket</b>	ABS+PC, UL94V0
<b>Rear Cable Management</b>	SPCC, black coated



- Staggered 1U 24-port high density panel ideal for Cat.6A UTP installation.
- “Write on” description label protected by transparent cover for clear port marking and identification.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP01572	PPU9750	UC CACC PP SP U BK 24 1U	19" 1U 24P UTP Keystone Panel, Empty, Cat 6a, 180°	1pc/box

### 5.1 Patch Panels



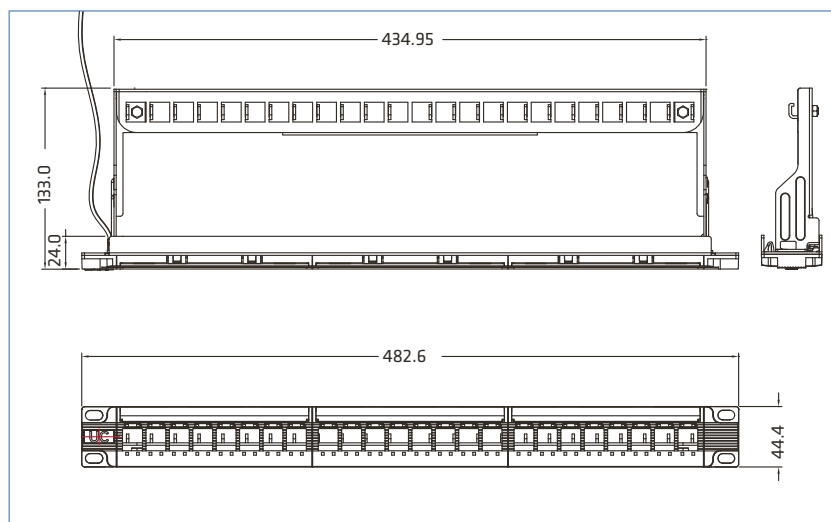
- 1U 24-port high density panel provides optimum using of rack.
- Front-loadable 8-port bracket for easy installation and maintenance.
- “Write on” description label protected by hinged transparent cover for clear port marking and identification.
- Optional hinged dust cover.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.

## UC CACC PP S BK 24 1U

19" 1U 24P FTP Keystone Panel, Empty, Cat 5e / 6 / 6a, 180°

### Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, black coated
<b>Modular Bracket</b>	ABS+PC, UL94V0
<b>Rear Bracket</b>	SPCC, T=1.8mm, Zn plated
<b>Rear Cable Management</b>	SPCC, black coated



### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YPPBP00343</b>	PPS9748	UC CACC PP S BK 24 1U	19" 1U 24P FTP Keystone Panel, Empty, Cat 5e / 6 / 6a, 180°	1pc/box

# UC CACC PP VP U BK 24 1U

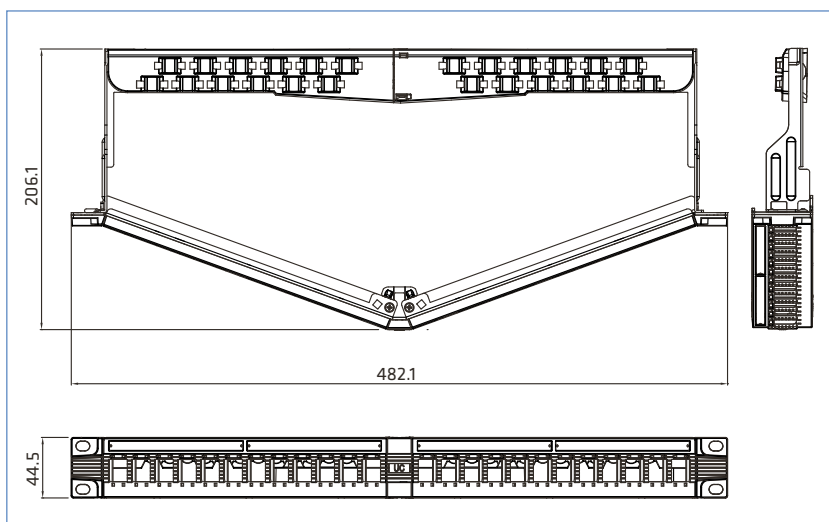
19" 1U 24P UTP Angle Keystone Panel, Empty, Cat 5e / 6 180°, Foldable patented

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, Ni plated
<b>Modular Bracket</b>	ABS+PC, UL94V0
<b>Rear Bracket</b>	SPCC, T=1.8mm, Zn plated
<b>Rear Cable Management</b>	ABS+PC, UL94V0



- Patented angled patch panel.
- 1U 24-port high density panel provides optimum using of rack.
- “Write on” description label protected by transparent cover for clear port marking and identification.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable angled panel design minimize packaging size.
- Optional hinged dust cover.



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP00345	PPVU9752	UC CACC PP VP U BK 24 1U	19" 1U 24P UTP Angle Keystone Panel, Empty, Cat 5e / 6 180°, Foldable patented	1pc/box

## 5.1 Patch Panels



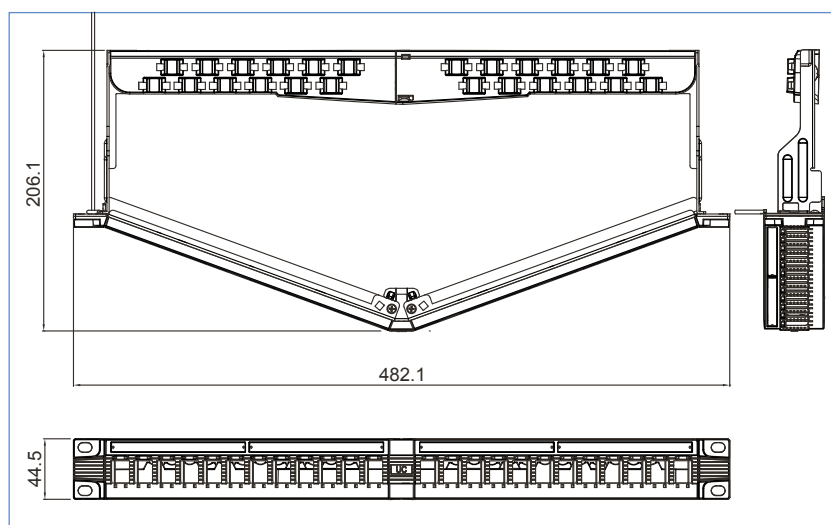
- Patented angled patch panel.
- 1U 24-port high density panel provides optimum using of rack.
- “Write on” description label protected by transparent cover for clear port marking and identification.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable angled panel design minimize packaging size.
- Optional hinged dust cover.

# UC CACC PP VP S BK 24 1U

19" 1U 24P FTP Angle Keystone Panel, Empty, Cat 5e / 6 / 6A, 180°, Foldable patented

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, Ni plated
<b>Modular Bracket</b>	ABS+PC, UL94V0
<b>Rear Bracket</b>	SPCC, T=1.8mm, Zn plated
<b>Rear Cable Management</b>	ABS+PC, UL94V0



## Ordering Information

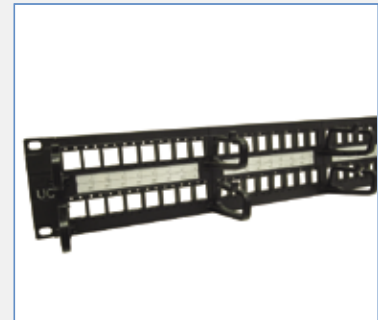
SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YPPBP00346</b>	PPVS9752	UC CACC PP VP S BK 24 1U	19" 1U 24P FTP Angle Keystone Panel, Empty, Cat 5e / 6 / 6a, 180°, Foldable patented	1pc/box

# UC CACC PP U BK 48 2U

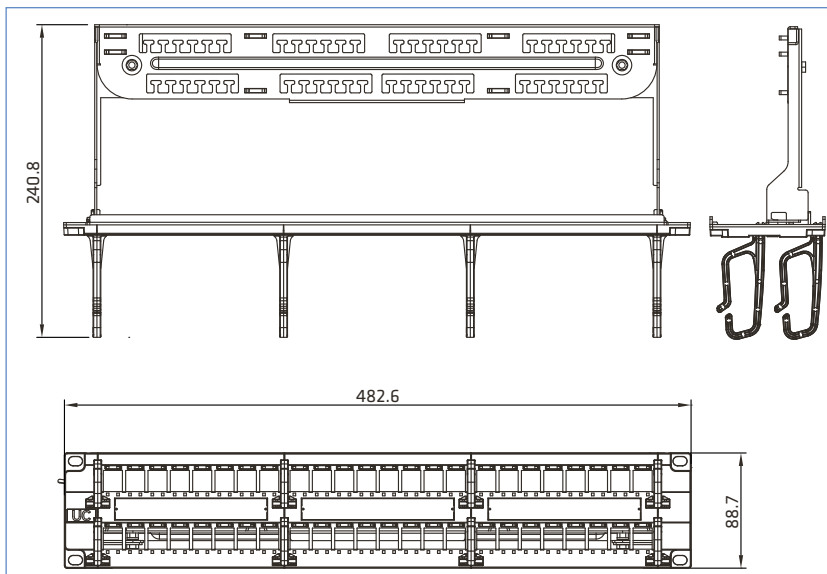
19" 2U 48P UTP Keystone Panel, Empty, Cat 5e / 6 , 180°

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, black coated
<b>Modular Bracket</b>	ABS+PC, UL94V0
<b>Rear Bracket</b>	SPCC, T=1.8mm, Ni Plated
<b>Front Cable Manager</b>	PC, UL 94V0
<b>Rear Cable Management</b>	SPCC, black coated



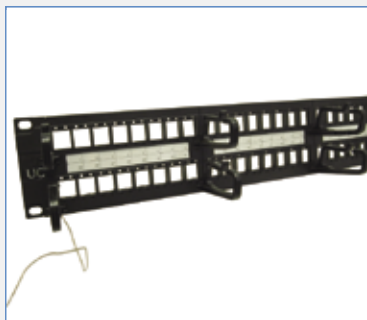
- 2U 48-port high density panel integrated with front cable manager.
- Front cable brackets ideal for managing patch cords and eliminating the use of horizontal cable management.
- "Write on" description label protected by transparent cover for clear port marking and identification.
- Optional hinged dust cover.
- Foldable rear cable management ideal for minimizing packaging size.



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP00348	PPU9773	UC CACC PP U BK 48 2U	19" 2U 48P UTP Keystone Panel, Empty, Cat 5e / 6 , 180°	1pc/box

## 5.1 Patch Panels



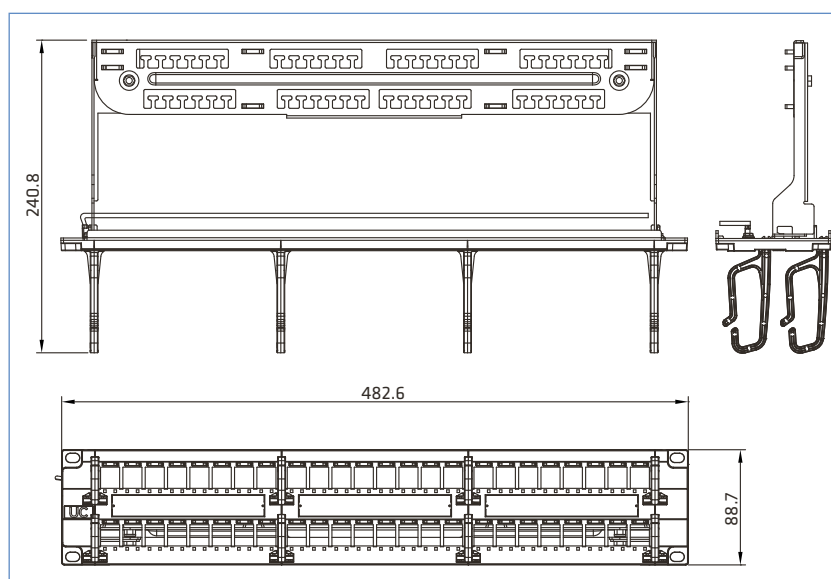
- 2U 48-port high density panel integrated with front cable manager.
- Front cable brackets ideal for managing patch cords and eliminating the use of horizontal cable management.
- “Write on” description label protected by transparent cover for clear port marking and identification.
- Optional hinged dust cover protect the jack free from dust.
- Foldable rear cable management ideal for minimizing packaging size.

# UC CACC PP S BK 48 1U

19" 2U 48P FTP Keystone Panel, Empty, Cat 5e / 6 / 6A, 180°

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, black coated
<b>Modular Bracket</b>	ABS+PC, UL94V0
<b>Rear Bracket</b>	SPCC, T=1.8mm, Ni Plated
<b>Front Cable Manager</b>	PC, UL 94V0
<b>Rear Cable Management</b>	SPCC, black coated



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP00347	PPS9772	UC CACC PP S BK 48 1U	19" 2U 48P FTP Keystone Panel, Empty, Cat 5e / 6 / 6a, 180°	1pc/box

# UC C400 PW TR U BK 24 1U

19" 1U 24P UTP Punchdown Panel, RJ45,Cat.6,180°

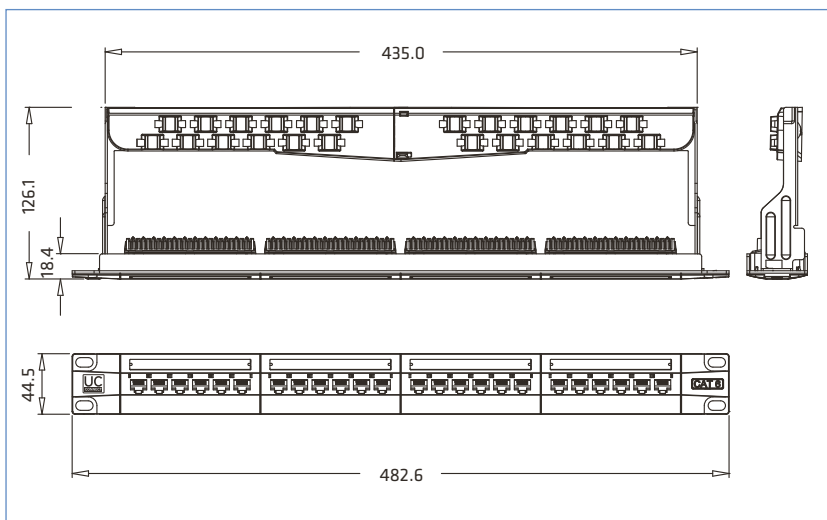
5.1 Patch Panels

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, black coated
<b>Front Cover</b>	ABS+PC, UL94V0
<b>RJ45 Housing</b>	PBT + 15% GF 94V0
<b>Contacts and IDC</b>	Phosphor bronze
<b>Contact Surface Finish</b>	50u" gold plated over contact area
<b>IDC Surface Finish</b>	Tin plated
<b>IDC Housing</b>	PC, UL94V0
<b>PCB</b>	FR4 94V0
<b>Rear Cable Management</b>	ABS+PC, UL94V0

## Performance

Item	Description
<b>Wiring</b>	TIA 568 A/B
<b>IDC Type</b>	110
<b>Insertion Force</b>	<=30N
<b>Plug Insertion Life</b>	750 times insertion (RJ45, RJ11/RJ12)
<b>Wire Size Capability</b>	22 ~ 26 AWG solid wire



- Category 6 hardware compliant performance.
- "Write on" description label protected by clear plastic holder for clear port marking and identification.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.
- Component level tested.

## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPWBP00110	PWU0110	UC C400 PW TR U BK 24 1U	19" 1U 24P UTP Punchdown Panel, RJ45,Cat.6,180°	1pc/box



## 5.1 Patch Panels



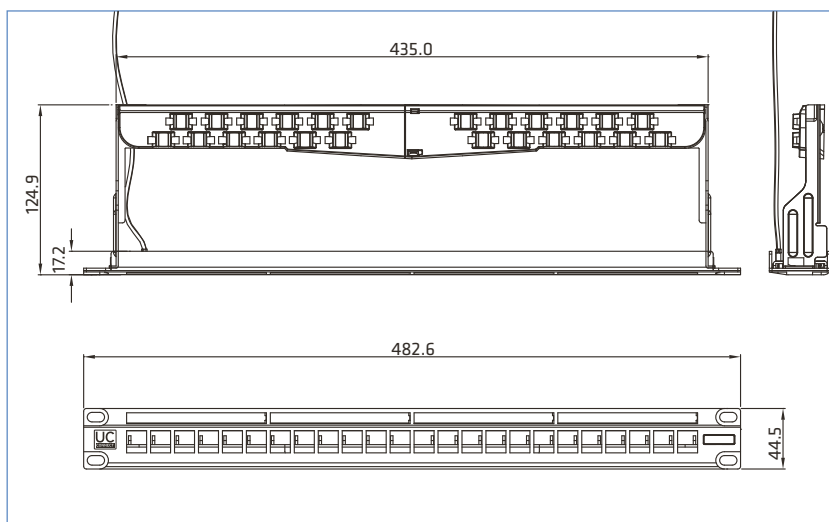
- 1U 24-port high density empty panel provides optimum using of rack.
- “Write on” description label protected by transparent cover for clear port marking and identification.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.

# UC C500 PP S BK 24 1U

19" 1U 24P FTP,Keystone Panel, Empty, Cat 5e / 6 / 6A, 180°

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, black coated
<b>Front Panel</b>	ABS+PC, UL94V0
<b>Rear Bracket</b>	SPCC, T=1.8mm, Zn plated
<b>Rear Cable Management</b>	ABS+PC, UL94V0



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP00118	PPS0118	UC C500 PP S BK 24 1U	19" 1U 24P FTP,Keystone Panel, Empty, Cat 5e / 6 / 6A, 180°	1pc/box

# UC C500 PPC S 24 1U

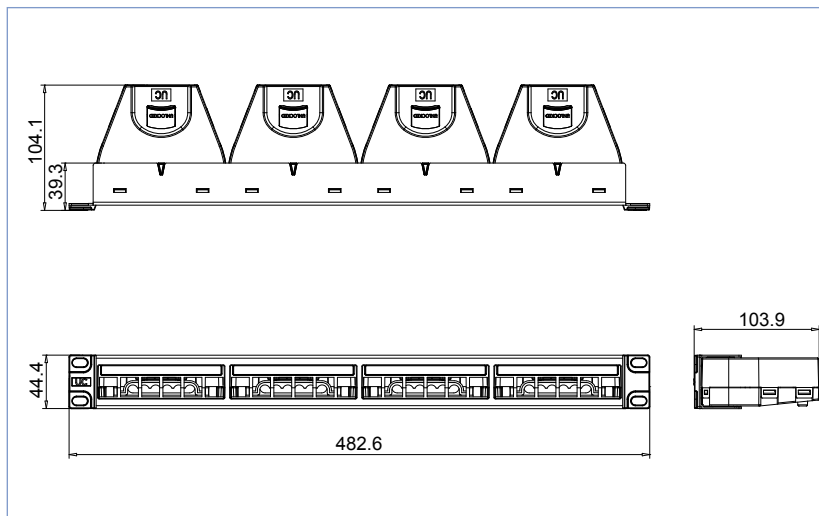
19" 1U 24P, Shielded, With Empty Cassettes, Cat 5e/6/6A, 180°

## Specification

Item	Description
Panel	SPCC, T=1.4mm, Ni plated
Side Covers	PC FR
Cassette	ABS + PC, UL 94V0
Switch	PC FR



- 1U 24-port high density empty panel provides optimum using of rack
- Supports both unshielded & shielded cabling
- Cassette design for pre-termination
- Plug & Play at Job Site



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
TBA	PPS9000	UC C500 PPC S 24 1U	19" 1U 24P, 4 X Cassettes, Cat.5e / 6 / 6a, 180°	1pc/box

## 5.1 Patch Panels



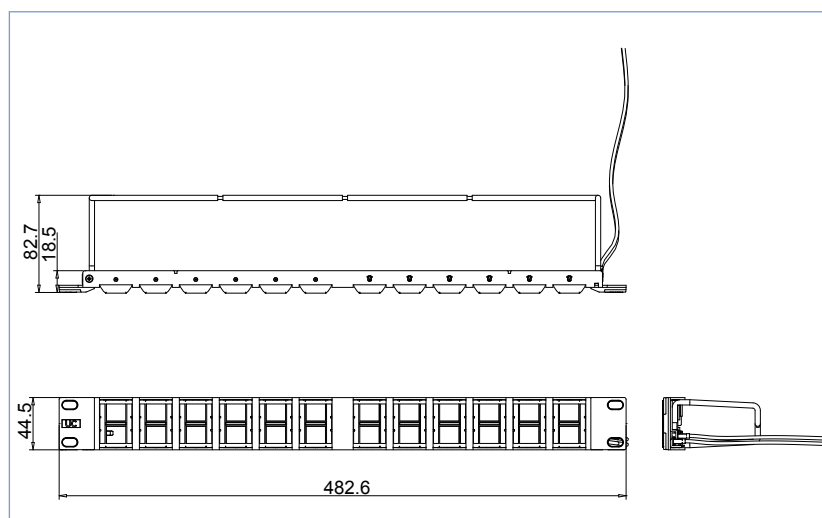
- Modules can be rotated. Functions as angled panel, without protruding design
- With rear cable management (No need for horizontal cable management)
- Supports both unshielded & shielded cabling

# UC CACC PP VP S 24 1U V2

19" 1U 24P, Shielded, Empty, Angled, Cat 5e/6/6A, 180°

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, Ni plated
<b>Side Covers</b>	PC FR
<b>Swivel Bezel</b>	PC, 94V0
<b>Rear Cable Management Bar</b>	SPCC, $\Phi=4.5\text{mm}$ , Ni plated



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
TBA	PPVU9002	UC CACC PP VP S 24 1U V2	19" 1U 24P, Shielded, Empty, Angled, Cat 5e / 6 / 6a, 180°	1pc/box

# UC C500 PP HP S 24 V2

19" 1/2U, High Density, 24P, Empty, Cat 6A, 180°

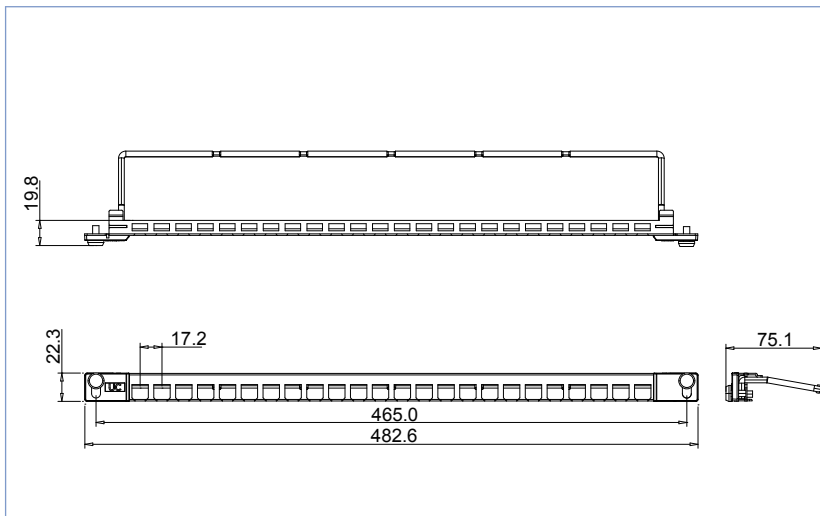
High  
Density

## Specification

Item	Description
Panel	SPCC, T=1.1mm, Ni plated
Side Cover	PC FR
Rear Cable Management Bar	SPCC, $\Phi=4.5\text{mm}$ , Ni plated



- High density design, reducing the rack space consumption
- Supports both unshielded & shielded cabling
- With rear cable management support
- Used with High Density Keystone Jack UC P/N MJTF1000



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
TBA	PPS0500	UC C500 PP HP S 24 V2	19" 1/2U, High Density, 24P, Empty, Cat 6a, 180°	1pc/box

## 5.1 Patch Panels



- High density design, reducing the rack space consumption
- Supports both unshielded & shielded cabling
- With rear cable management support
- Used with High Density Keystone Jack UC P/N MJTF1000

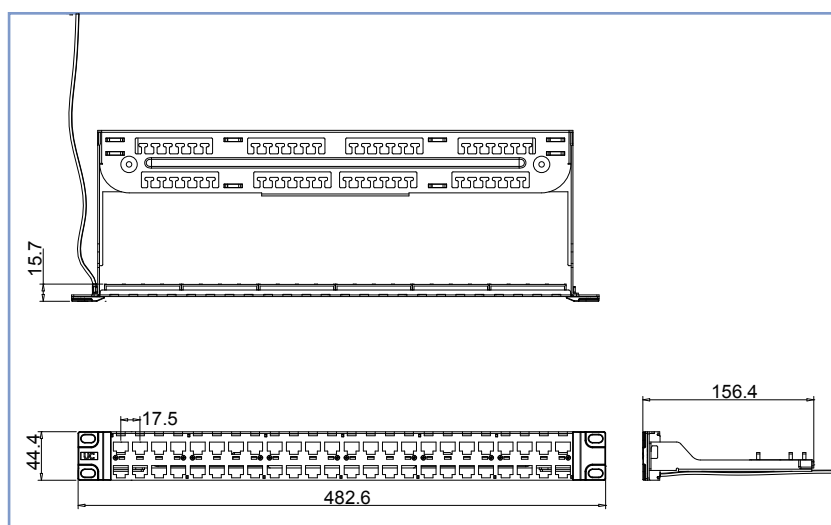
# UC C500 PP S 48 1U

19" 1U, High Density, 48P, Empty, Cat 6A, 180°

High  
Density

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.5mm, Ni plated
<b>Side Covers</b>	PC FR
<b>Rear Cable Management</b>	SPCC, black coated



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>TBA</b>	PPS0600	UC C500 PP S 48 1U	19" 1U, High Density, 48P, Empty, Cat 6a, 180°	1pc/box

# UC CACC UI U BK 24 1U

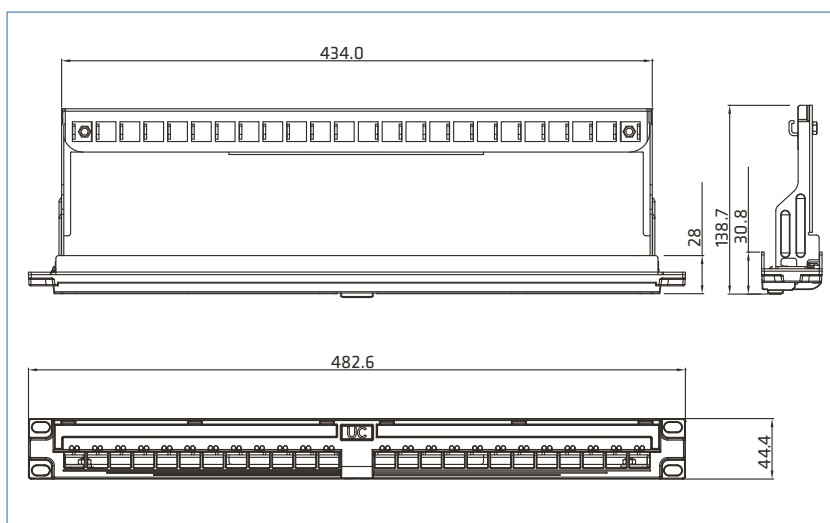
19" 1U 24P Smart UTP Patch Panel, Empty

## Specification

Item	Description
Panel	SPCC, T=1.8mm, Ni plated
Front Cover	ABS+PC, UL94V0
Rear Cable Management	SPCC, black coated



- 24-port Empty panel compatible with different type of UC UTP Keystone Jacks for different category cabling installation.
- LED on each port for port activity indication.
- RJ45 port on panel back for communication to IMU.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YUIBP00401	UI9749	UC CACC UI U BK 24 1U	19" 1U 24P Smart UTP Patch Panel, Empty	1pc/box

## 5.2 Smart Panels



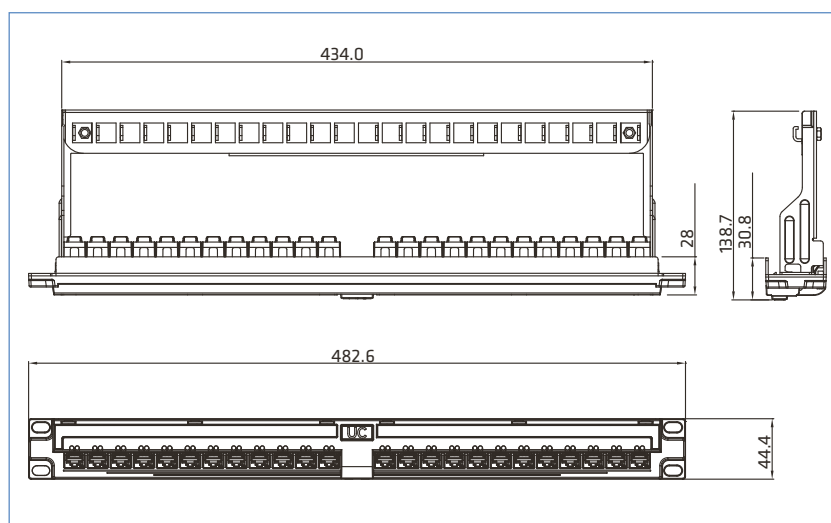
- Smart Patch panel with 24 pieces ToolFast Cat.6 Keystone Jack (MJTR9667).
- LED on each port for port activity indication.
- RJ45 port on panel back for communication to IMU.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.

# UC C400 LI U BK 24 1U

19" 1U 24P Smart UTP Patch Panel, with module, Cat 6

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, Ni plated
<b>Front Cover</b>	ABS+PC, UL94V0
<b>Rear Cable Management</b>	SPCC, black coated



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YUIBP00403</b>	LI9769	UC C400 LI U BK 24 1U	19" 1U 24P Smart UTP Patch Panel, with module, Cat 6	1pc/box

# UC CACC UI S BK 24 1U

19" 1U 24P Smart FTP Patch Panel, Empty

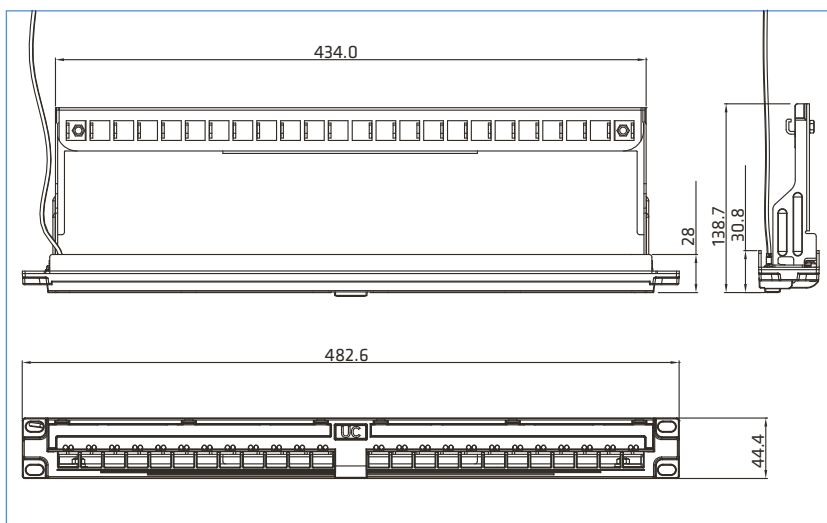
5.2 Smart Panels

## Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, Ni plated
<b>Front Cover</b>	ABS+PC, UL94V0
<b>Rear Cable Management</b>	SPCC, black coated



- 24-port Empty panel compatible with different type of UC FTP Keystone Jacks for different category cabling installation.
- LED on each port for port activity indication.
- RJ45 port on panel back for communication to IMU.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YUIBP00400</b>	UI9748	UC CACC UI S BK 24 1U	19" 1U 24P Smart FTP Patch Panel, Empty	1pc/box



### 5.2 Smart Panels



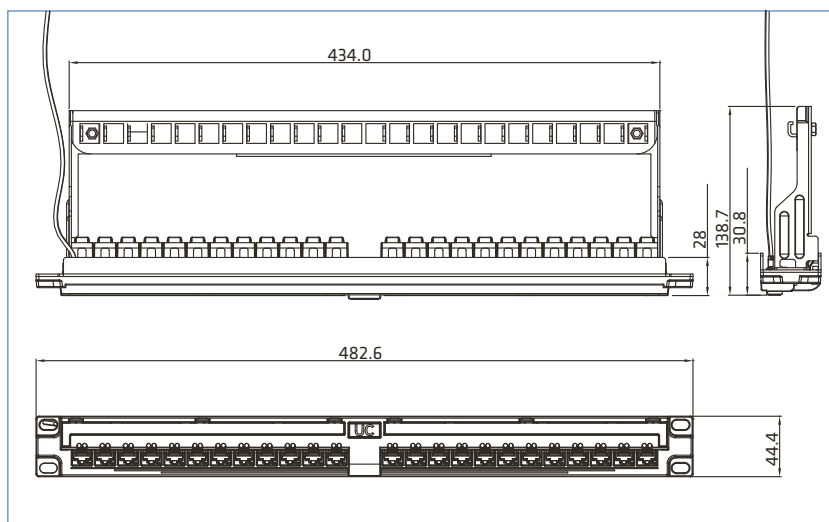
- FTP Smart Patch panel with 24 pieces ToolFast Cat.6 Shielded Keystone Jack (MJTR9669).
- LED on each port for port activity indication.
- RJ45 port on panel back for communication to IMU.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.

## UC C400 LI S BK 24 1U

19" 1U 24P Smart FTP Patch Panel, with module, Cat 6

### Specification

Item	Description
<b>Panel</b>	SPCC, T=1.8mm, Ni plated
<b>Front Cover</b>	ABS+PC, UL94V0
<b>Rear Cable Management</b>	SPCC, black coated



### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YUIBP00402</b>	LI9768	UC C400 LI S BK 24 1U	19" 1U 24P Smart FTP Patch Panel, with module, Cat 6	1pc/box

## 5.2 Smart Panels

## UC C500 LI U BK 24 1U

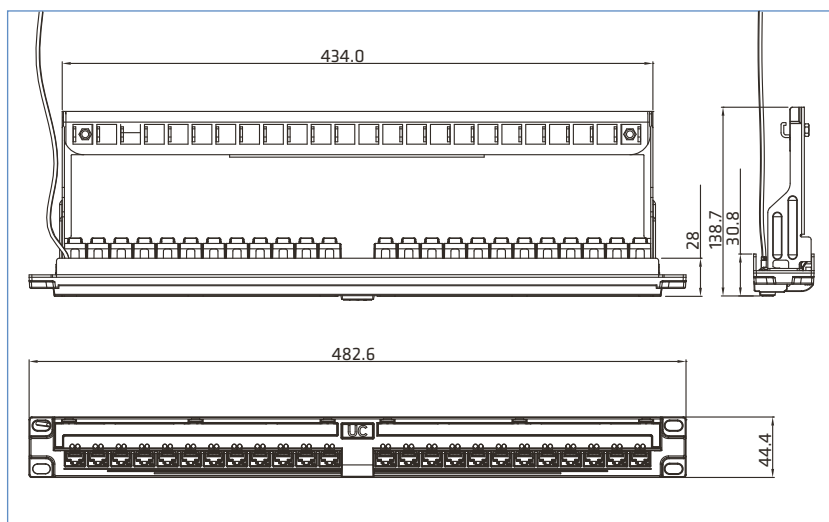
19" 1U 24P Smart FTP Patch Panel, with module, Cat 6A

## Specification

Item	Description
Panel	SPCC, T=1.8mm, Ni plated
Front Cover	ABS+PC, UL94V0
Rear Cable Management	SPCC, black coated



- FTP Smart Patch panel with 24 pieces ToolFast Cat.6A Shielded Keystone Jack (MJTR214).
- LED on each port for port activity indication.
- RJ45 port on panel back for communication to IMU.
- Supplied with rear cable management to ensure proper cable bending radius.
- Foldable rear cable management ideal for minimizing packaging size.



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YLBP01006	LI9771	UC C500 LI U BK 24 1U	19" 1U 24P Smart FTP Patch Panel, with module, Cat 6a	1pc/box

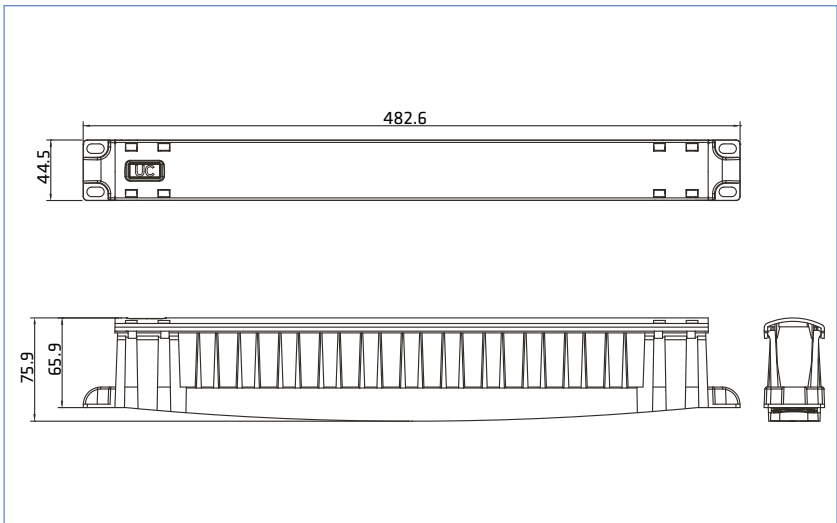
5.3 Cable Managements

UC CACC CM 1U

19" 1U cable management, Plastic light weight, Compact - 2.5 inch



- 1U Horizontal Cable Management.
- Hinged Front cover provides easy way to access and manage the patch cords.
- Complies with ANSI/TIA/EIA-310-D Cabinets, Racks, Panels and Associated Equipment.
- Light-weight design to save transportation cost.

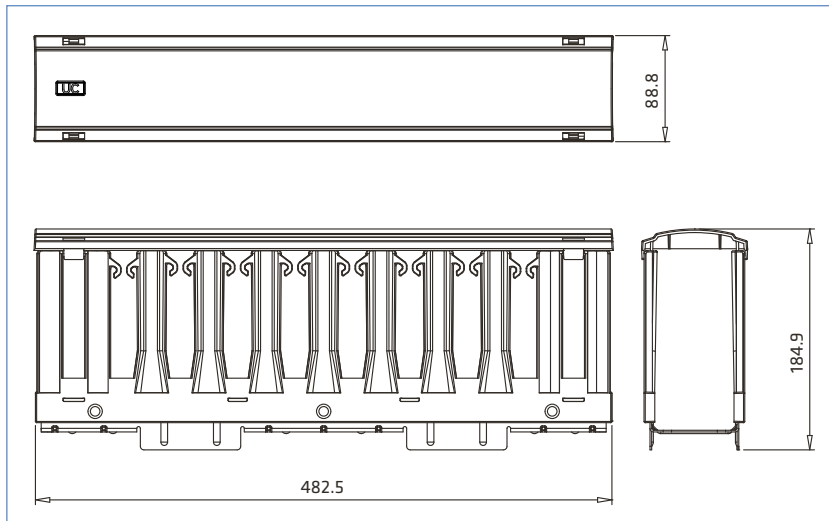


Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YCMBP00349	CM1U9849	UC CACC CM 1U	19" 1U cable management, Plastic light weight, Compact - 2.5 inch	1pc/box

# UC CACC CM 2U

19" 2U cable management, Plastic light weight, Compact - 2.5 inch



- 2U Horizontal Cable Management.
- Hinged Front cover provides easy way to access and manage the patch cords.
- Complies with ANSI/TIA/EIA-310-D Cabinets, Racks, Panels and Associated Equipment.
- Horizontal mountable design can be used as horizontal cable management as well.
- High Capacity Cable duct design.

## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YCMBP00350	CM2U9850	UC CACC CM 2U	19" 2U cable management, Plastic light weight, Compact - 2.5 inch	1pc/box

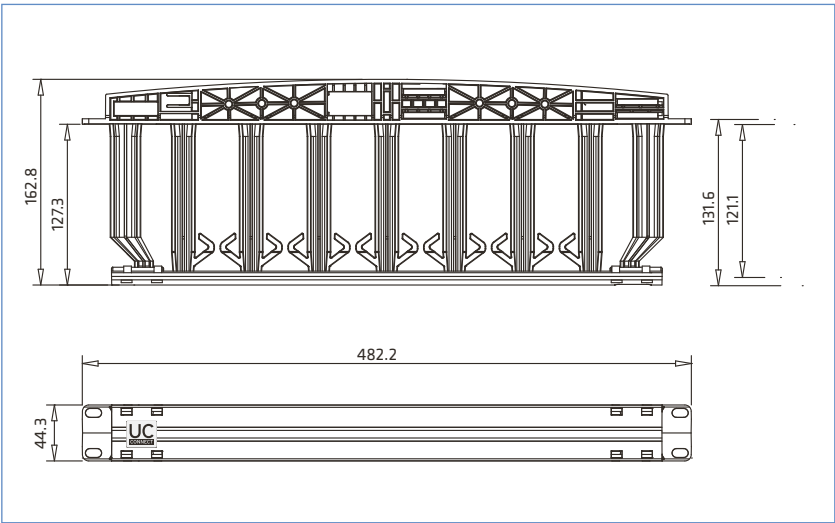
5.3 Cable Managements

UC CACC CM 1U V1

19" 1U cable management, Plastic light weight, Deep - 5 inch



- 1U Horizontal Cable Management.
- Hinged Front cover provides easy way to access and manage the patch cords.
- Complies with ANSI/TIA/EIA-310-D Cabinets, Racks, Panels and Associated Equipment.
- Light-weight design to save transportation cost.
- High Capacity Cable duct design.

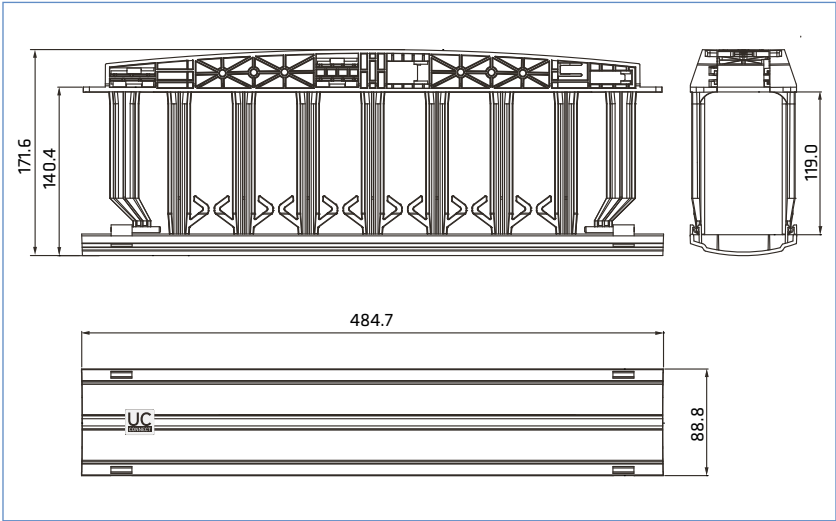


Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP01573	CM1U9851	UC CACC CM 1U V1	19" 1U cable management, Plastic light weight, Deep - 5 inch	1pc/box

# UC CACC CM 2U V1

19" 2U cable management, Plastic light weight, Deep - 5 inch



- 2U Horizontal Cable Management.
- Hinged Front cover provides easy way to access and manage the patch cords.
- Complies with ANSI/TIA/EIA-310-D Cabinets, Racks, Panels and Associated Equipment.
- Light-weight design to save transportation cost.
- High Capacity Cable duct design.

## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP01574	CM1U9852	UC CACC CM 2U V1	19" 2U cable management, Plastic light weight, Deep - 5 inch	1pc/box

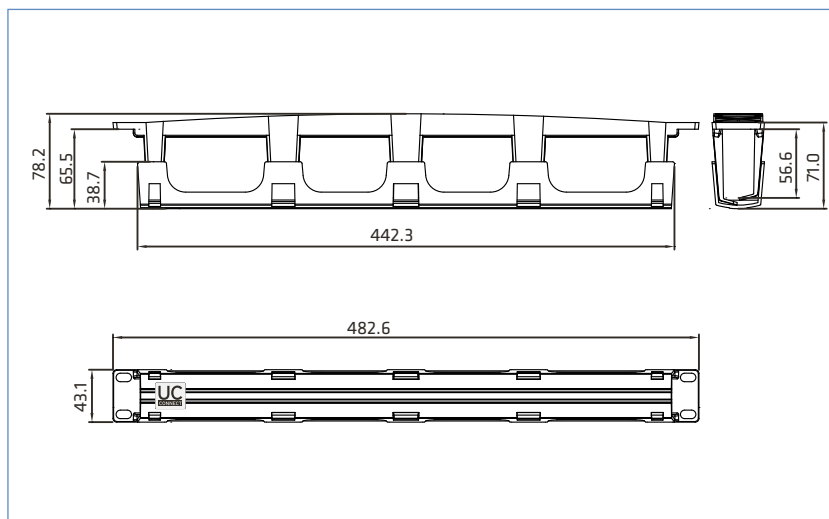
## 5.3 Cable Managements

### UC CACC CM 1U V2

19" 1U cable management, Plastic light weight, Normal - 3 inch



- 1U Horizontal Cable Management.
- Supplied with Front Cover for neat cabling.
- Complies with ANSI/TIA/EIA-310-D Cabinets, Racks, Panels and Associated Equipment.
- Light-weight design to save transportation cost.



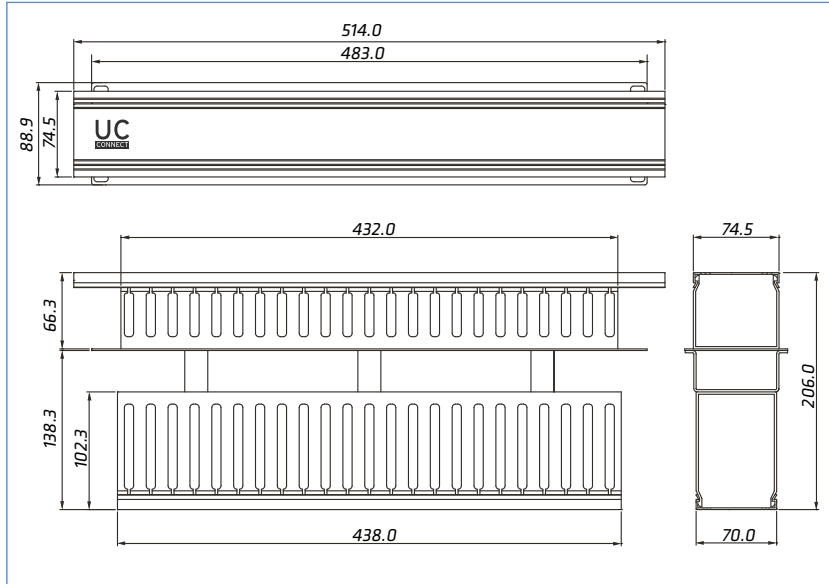
#### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP01575	CM1U9861	UC CACC CM 1U V2	19" 1U cable management, Plastic light weight, Normal - 3 inch	1pc/box



# UC CACC CM 2U V3

19" 2U Cable management, light weight, Double side access



- 2U Double-side Horizontal Cable Management.
- Supplied with Front Cover for neat cabling.
- Complies with ANSI/TIA/EIA-310-D Cabinets, Racks, Panels and Associated Equipment.

## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP01576	CMU2U9863	UC CACC CM 2U V3	19" 2U Cable management, light weight, Double side access.	1pc/box

The image is a collage of office interior photographs. The top section shows a modern office with large windows and bright lighting, featuring people working at desks. The bottom section shows a different office area with cubicles, a person working at a desk with a laptop, and a large potted plant. A semi-transparent white banner is overlaid across the middle of the image, containing the section header.

## 6. Faceplates & Accessories

## 6.1 FACEPLATES AND FRAME

UC CACC FP CO 01/V1	90
UC CACC FP CO 02/V1	91
UC CACC FP CA 01	92
UC CACC FP CA 02	92
UC CACC FP CA 04	92
UC CACC FP 01 6C	93
UC CACC FP 02 6C	93
UC CACC FP CO 01 V2	94
UC CACC FP CO 02 V2	94
UC CACC FP CO 03	95
UC CACC FP CO 04	95
UC CACC MA 01 6C	96
UC CACC AA 01 6C	96
UC CACC BI 01 6C	96

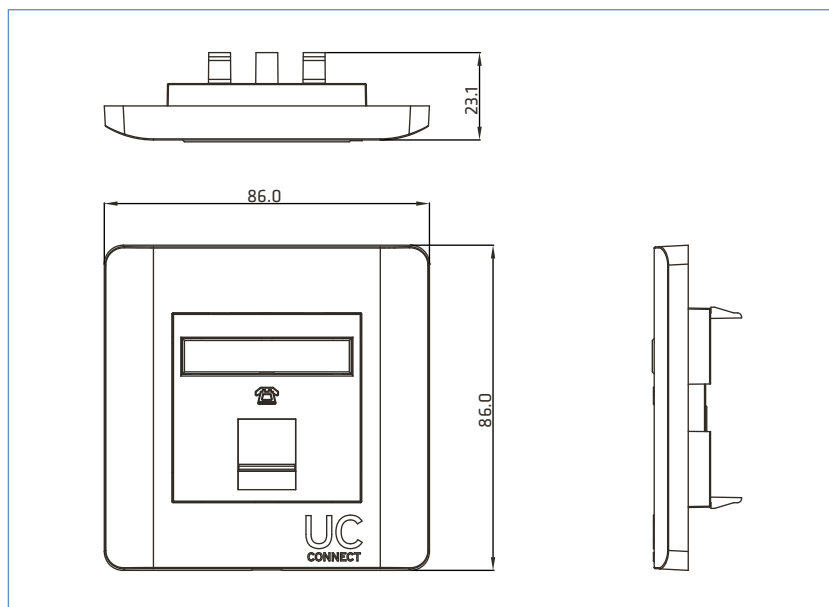
## 6.2 SURFACE MOUNT BOX

UC CACC DB 02	97
UC CACC DB 04	97
UC CACC DB 06	98
UC CAO F DB 06	98
UC CAO F OA TD	99
UC CAO F OA SD	99
UC CACC OA K1	100
UC CACC OA K2	100
UC CAO F OA LD	101
UC CAO F OA MT	101
UC CAO F BI	101

## 6.1 Faceplate and Frame

### UC CACC FP CO 01/V1

BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey/Gold-White

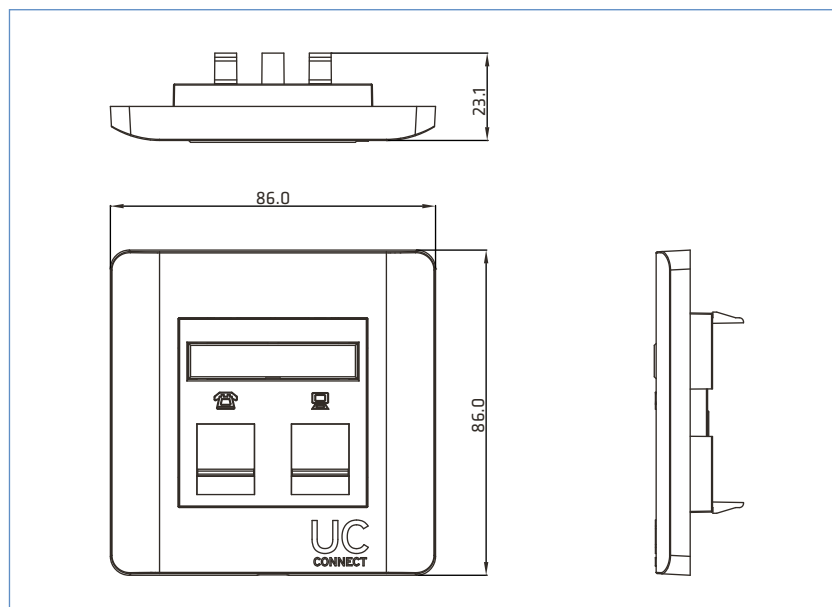


#### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YFPBP00354	FPC01086	UC CACC FP CO 01	BS Flat Faceplate, 1-port, Classic, Metallic Coat Silver-Grey	1pc/bag
YFPBP01577	FPC01086G	UC CACC FP CO 01 V1	BS Flat Faceplate, 1-port, Classic, Metallic Coat Gold-White	1pc/bag

# UC CACC FP CO 02/V1

BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey/Gold-White



## 6.1 Faceplate and Frame



### Ordering Information

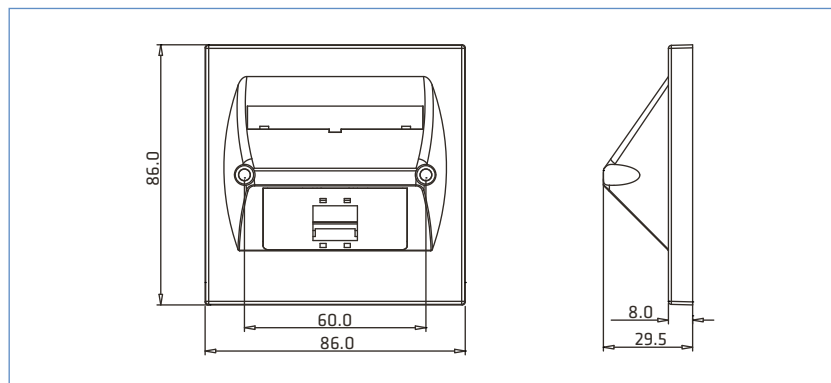
SAP IC	UC P/N	UC Material Code	Product Description	P.U
YFPBP00355	FPC01087	UC CACC FP CO 02	BS Flat Faceplate, 2-ports, Classic, Metallic Coat Silver-Grey	1pc/bag
YPPBP01578	FPC01087G	UC CACC FP CO 02 V1	BS Flat Faceplate, 2-ports, Classic, Metallic Coat Gold-White	1pc/bag

## 6.1 Faceplate and Frame



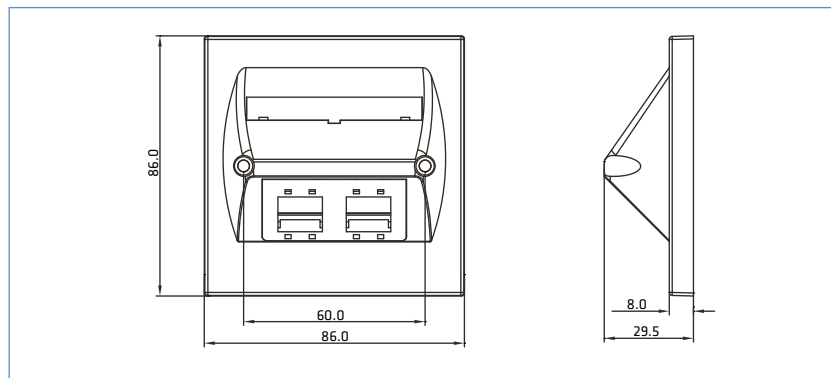
### UC CACC FP CA 01

10G BS Angle Faceplate with Shutter, 1-port , White



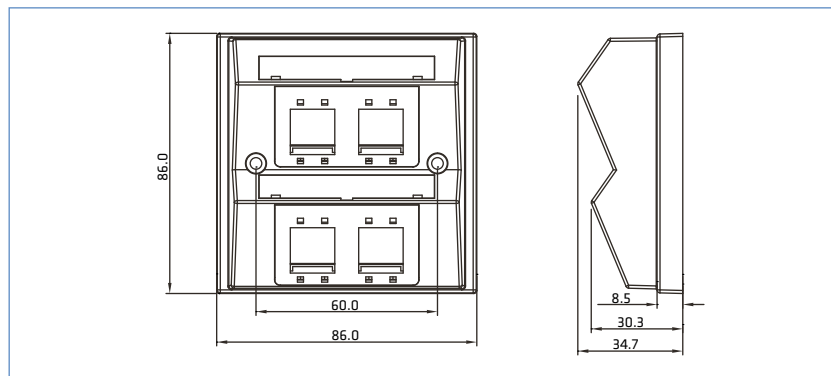
### UC CACC FP CA 02

10G BS Angle Faceplate with Shutter, 2-port , White



### UC CACC FP CA 04

10G BS Angle Faceplate with Shutter, 4-port , White

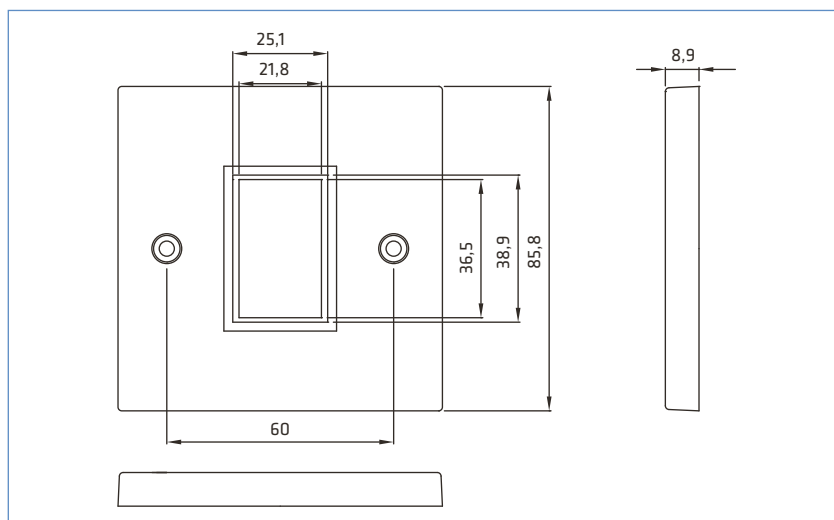


#### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YFPBP00351	FPCA9286	UC CACC FP CA 01	10G BS Angle Faceplate with Shutter, 1-port , White	1pc/bag
YFPBP00352	FPCA9287	UC CACC FP CA 02	10G BS Angle Faceplate with Shutter, 2-port , White	1pc/bag
YFPBP00353	FPCA9288	UC CACC FP CA 04	10G BS Angle Faceplate with Shutter, 4-port , White	1pc/bag

## UC CACC FP 01 6C

Single port UK frame, 86x86 (LJ6C Type)

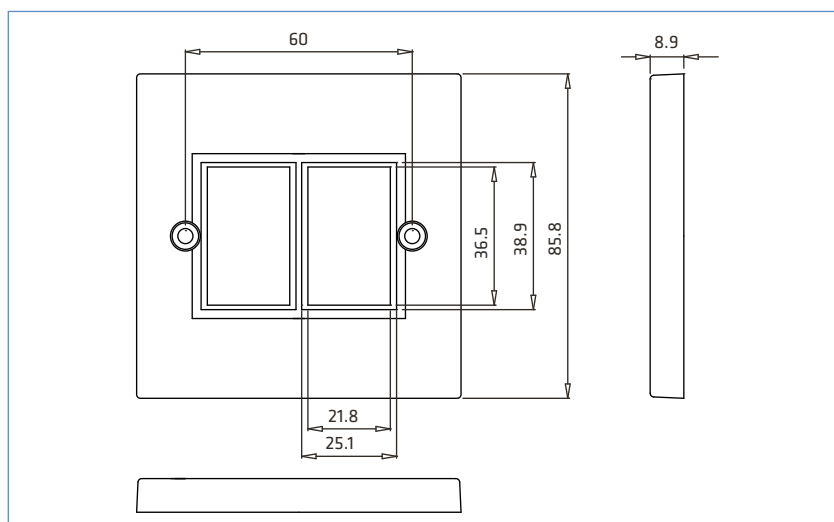


### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YFPBP00125	FP011331	UC CACC FP 01 6C	Single port UK frame, 86x86 (LJ6C Type)	1pc/bag

## UC CACC FP 02 6C

Dual port UK frame, 86x86 (LJ6C Type)



### Ordering Information

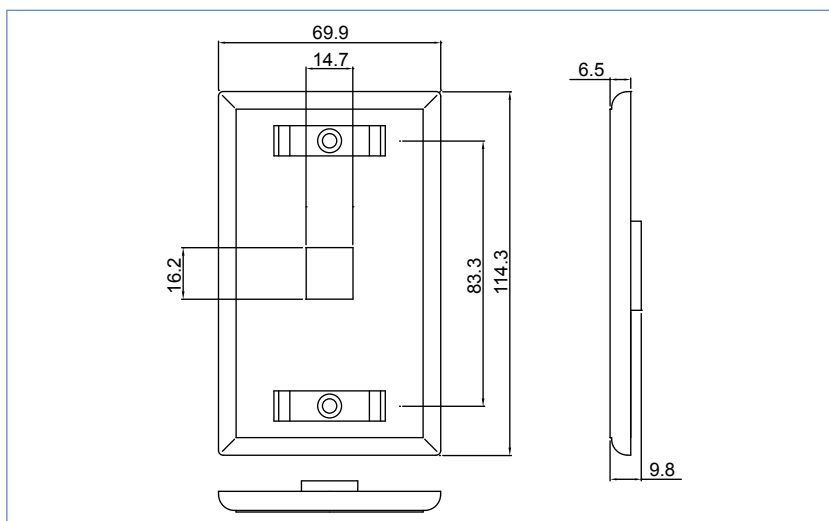
SAP IC	UC P/N	UC Material Code	Product Description	P.U
YFPBP00126	FP011332	UC CACC FP 02 6C	Dual port UK frame, 86x86 (LJ6C Type)	1pc/bag



## 6.1 Faceplate and Frame

### UC CACC FP CO 01 V2

Wide, Flat Faceplate, 1-port, White

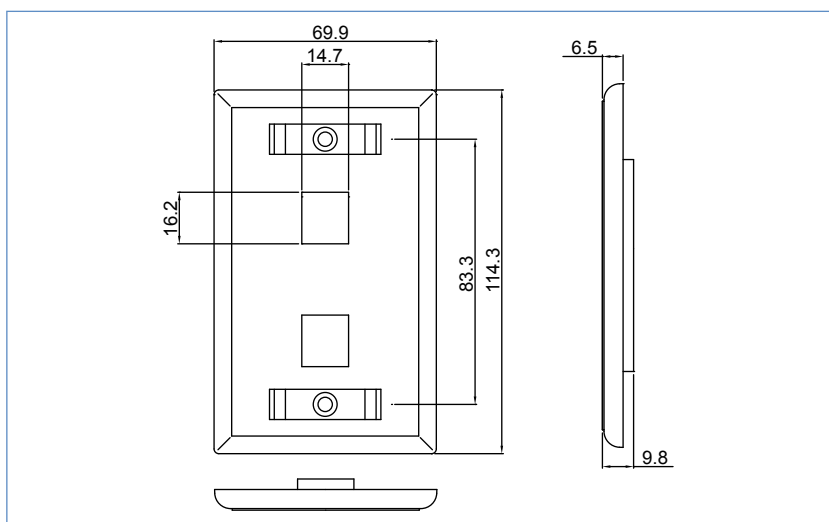


#### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YFPBP00134	FPC01090	UC CACC FP CO 01 V2	Wide, Flat Faceplate, 1-port, White	1pc/bag

### UC CACC FP CO 02 V2

Wide, Flat Faceplate, 2-port, White

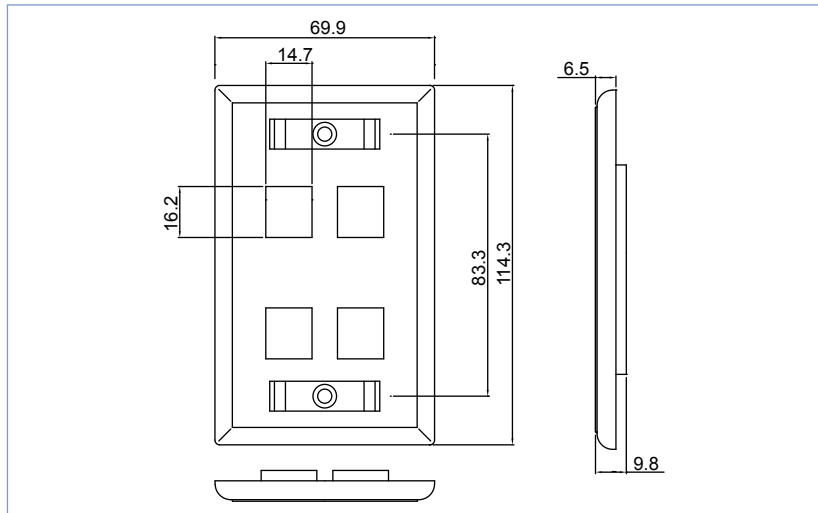


#### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YFPBP00135	FPC01091	UC CACC FP CO 02 V2	Wide, Flat Faceplate, 2-port, White	1pc/bag

# UC CACC FP CO 03

Wide, Flat Faceplate, 4-port, White

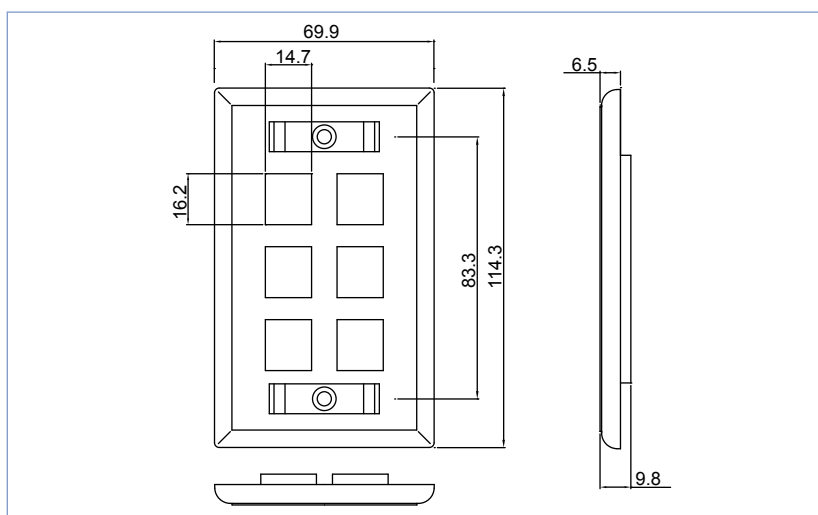


## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YMABP00136	FPC01092	UC CACC FP CO 03	Wide, Flat Faceplate, 4-port, White	1pc/bag

# UC CACC FP CO 04

Wide, Flat Faceplate, 6-port, White



## Ordering Information

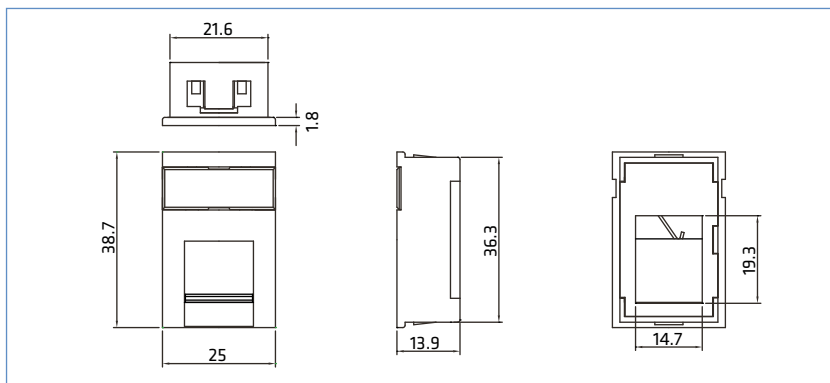
SAP IC	UC P/N	UC Material Code	Product Description	P.U
YAABP00137	FPC01093	UC CACC FP CO 04	Wide, Flat Faceplate, 6-port, White	1pc/bag

## 6.1 Faceplate and Frame



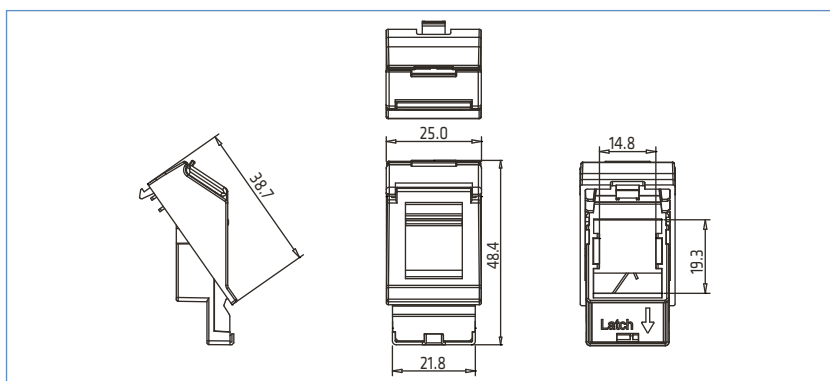
### UC CACC MA 01 6C

LJ6C Flat Single Adaptor, 38 x 25



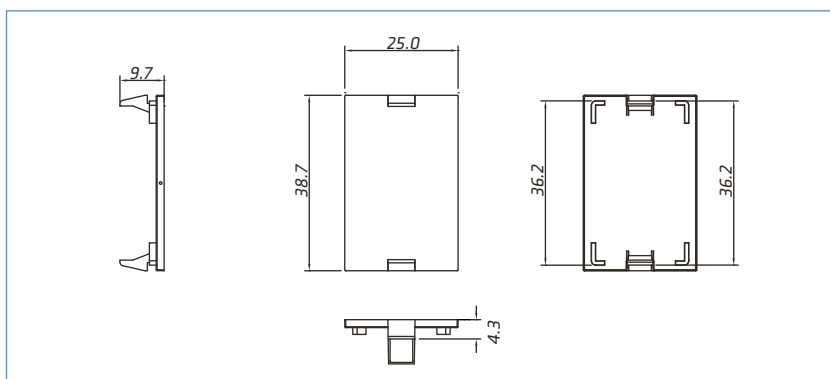
### UC CACC AA 01 6C

LJ6C Angled Single Adaptor, 38 x 25



### UC CACC BI 01 6C

LJ6C Blank Insert, 38 x 25

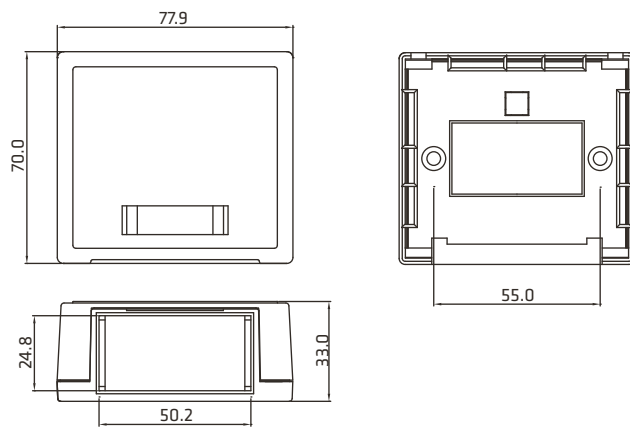


## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YMABP00131	MA1337	UC CACC MA 01 6C	LJ6C Flat Single Adaptor, 38 x 25	1pc/bag
YAABP00132	AA1338	UC CACC AA 01 6C	LJ6C Angled Single Adaptor, 38 x 25	1pc/bag
YAABP00133	BI1339	UC CACC BI 01 6C	LJ6C Blank Insert, 38 x 25	1pc/bag

## UC CACC DB 02

10G Surface Mount Box, 2-port, White ,NHD



### 6.2 Surface Mount Box

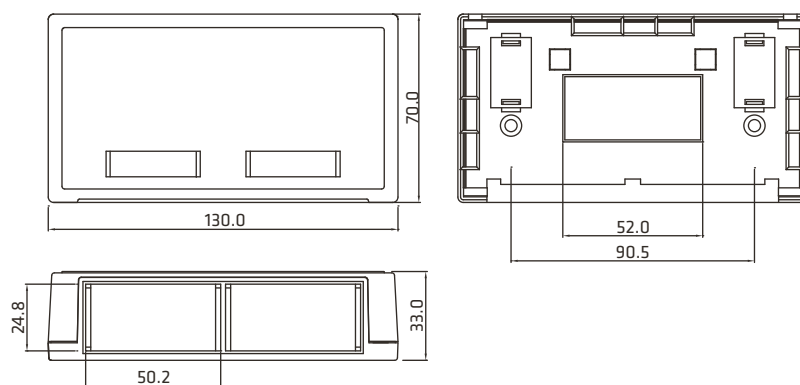


#### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YDBBP00356	DB9252	UC CACC DB 02	10G Surface Mount Box, 2-port, White ,NHD	1pc/bag

## UC CACC DB 04

10G Surface Mount Box, 4-port, White ,NHD



#### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YDBBP00357	DB9254	UC CACC DB 04	10G Surface Mount Box, 4-port, White ,NHD	1pc/bag

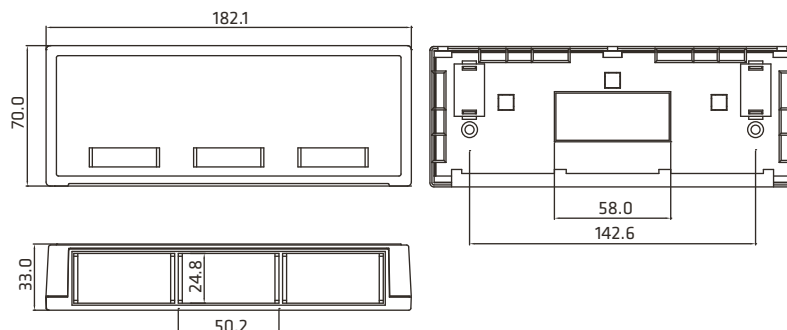
## 6.2 Surface Mount Box



For UC Connect Keystones

### UC CACC DB 06

10G Surface Mount Box, 6-port, White



#### Ordering Information

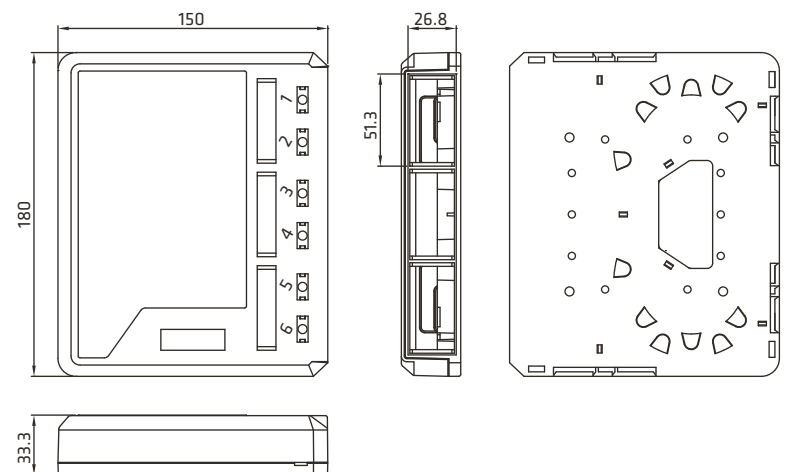
SAP IC	UC P/N	UC Material Code	Product Description	P.U
YDBBP00358	DB9256	UC CACC DB 06	10G Surface Mount Box, 6-port, White	1pc/bag



For UC Fibre and UC Connect Keystones

### UC CAO F DB 06

Fiber Surface Mount Box, 6-port, White

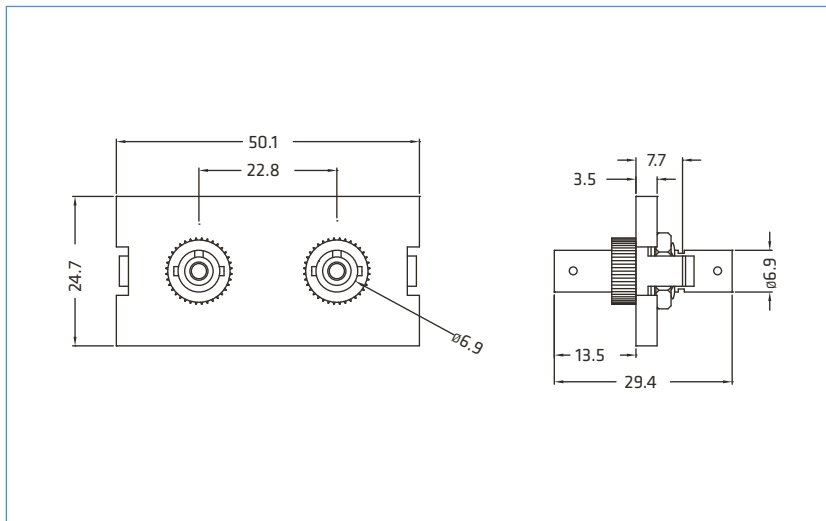


#### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YDBBP00359	DB7556	UC CAO F DB 06	Fiber Surface Mount Box, 6-port, White	1pc/bag

# UC CAOFOA TD

1" Snap-in module, ST duplex Adapter



## 6.3 Snap-In Module

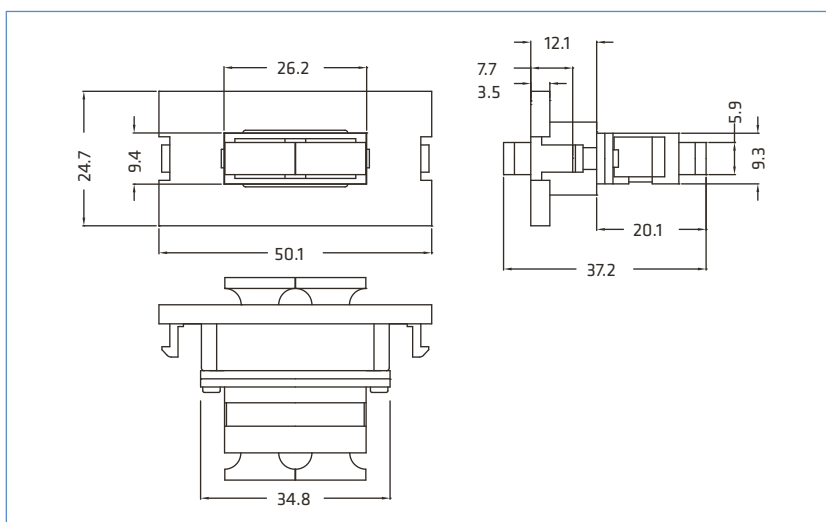


### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YOABP00360	OA7556-ST	UC CAOFOA TD	1" Snap-in module, ST duplex Adapter	1pc/bag

# UC CAOFOA SD

1" Snap-in module, SC duplex Adapter



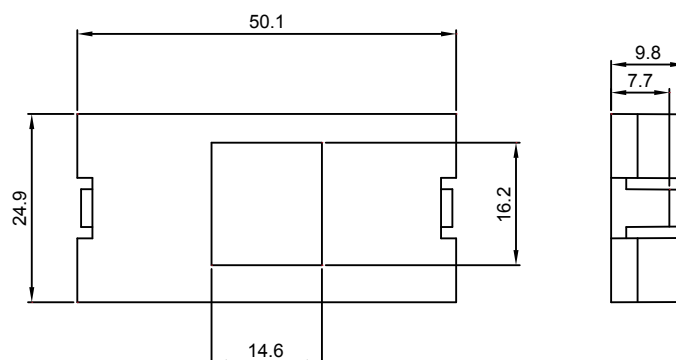
### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YOABP00361	OA7556-SC	UC CAOFOA SD	1" Snap-in module, SC duplex Adapter	1pc/bag

## 6.3 Snap-In Module

### UC CACC OA K1

1" Snap-in module, Single Keystone Adaptor

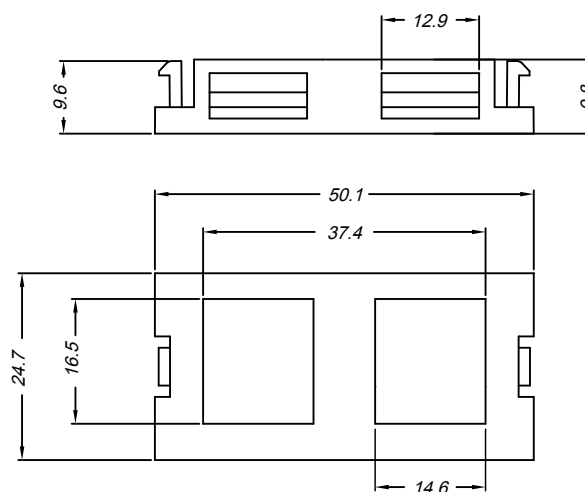


#### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
TBA	OA952-K1	UC CACC OA K1	1" Snap-in module, Single Keystone Adaptor	1pc/bag

### UC CACC OA K2

1" Snap-in module, Double Keystone Adaptor

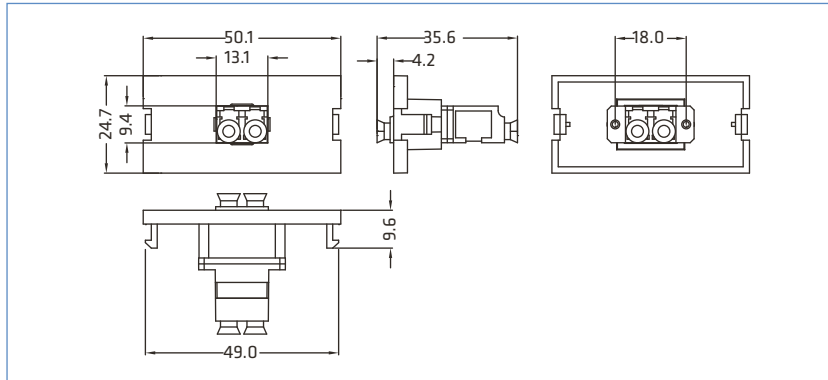


#### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
TBA	OA952-K2	UC CACC OA K2	1" Snap-in module, Double Keystone Adaptor	1pc/bag

# UC CAOFA OA LD

1" Snap-in module, LC duplex Adapter

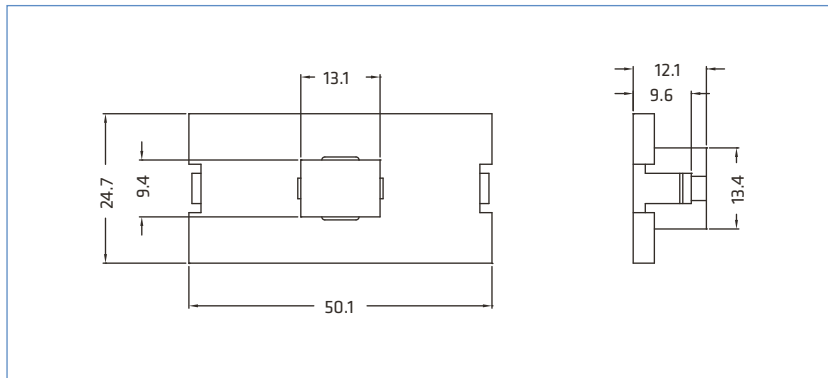


## 6.3 Snap-In Module



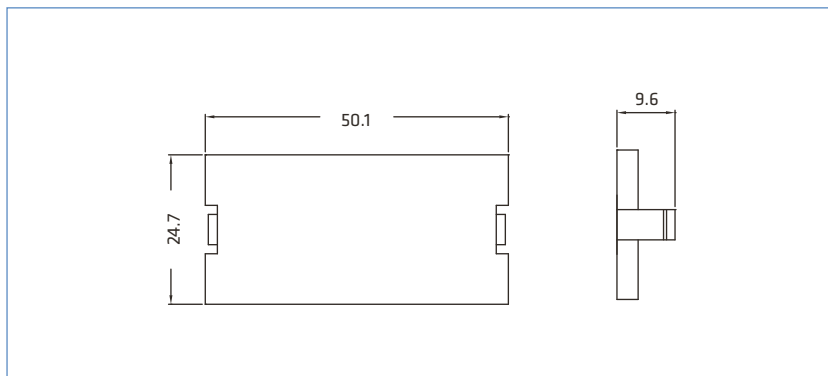
# UC CAOFA OA MT

1" Snap-in module, MTRJ Adapter



# UC CAOFA BI

1" Blank Module



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YOABP00362	OA7556-LC	UC CAOFA OA LD	1" Snap-in module, LC duplex Adapter	1pc/bag
YOABP00363	OA7556-MTRJ	UC CAOFA OA MT	1" Snap-in module, MTRJ Adapter	1pc/bag
YBIBP00364	OA7556-bk	UC CAOFA BI	1" Blank Module	1pc/bag





## 7. Tools & Security



# UC CACC CJ

Tool Fast for MJTR 9 Series Keystones

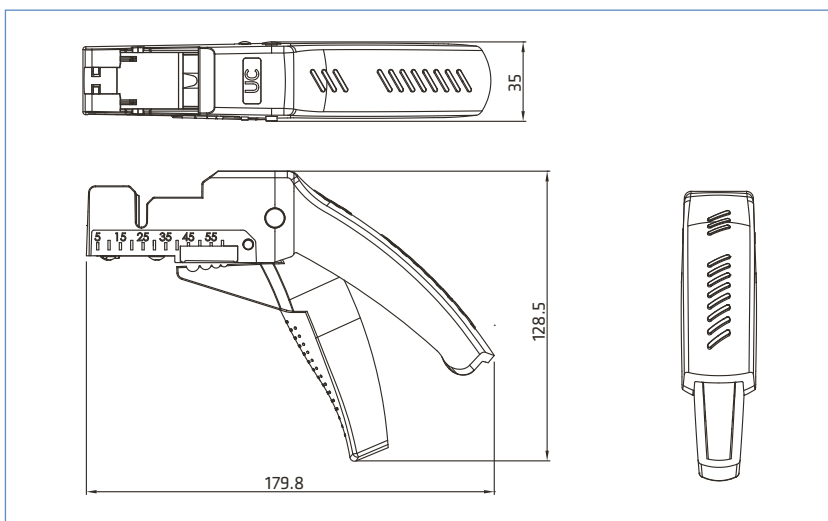
## Specification

Item	Description
<b>Housing</b>	Polycarbonate
<b>Blade</b>	Steel

Tool



- UC special termination tool.
- Length-meter and cable stripper for efficient preparation of termination.
- Dynamic Jack-seat design makes the allocation of jack quick and easy.
- Press & cut 8 conductors at once saves installation time.
- Accurate and clean cut makes the installation consistent and reduce the failure rate by installers.
- Renewable wire-cutting blade for durable installation.



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
<b>YCJBP00397</b>	CJ9240	UC CACC CJ	Tool Fast for MJTR 9 Series Keystones	1pc/box

## Tool

# UC CACC CJ V1

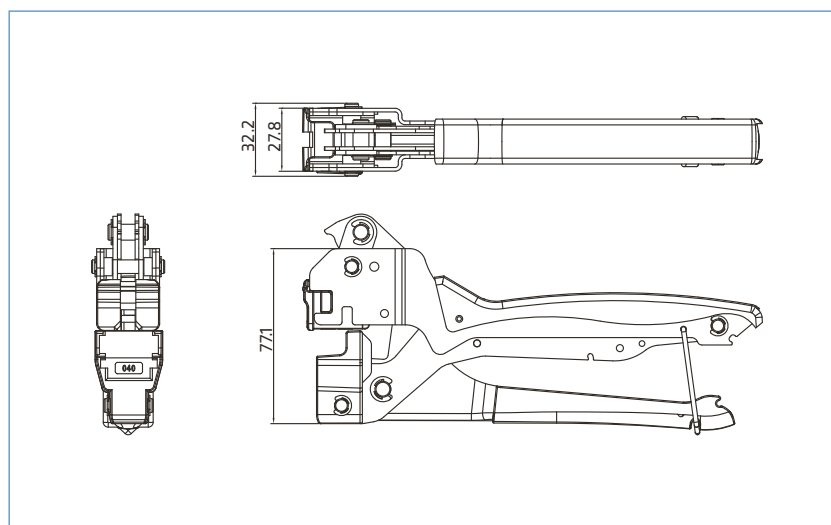
Punch down Tool for MJTR 8 Series Keystones

### Specification

Item	Description
Handle	Steel, Black Oxide
Jack Holder	Nylon + 30% GF
Blade	Steel



- Press & cut 8 conductors at once saves installation time.
- Accurate and clean cut makes the installation consistent and reduce the failure rate by installers.
- Renewable wire-cutting blade for durable installation.
- Tool may be stowed by using the integrated lock.

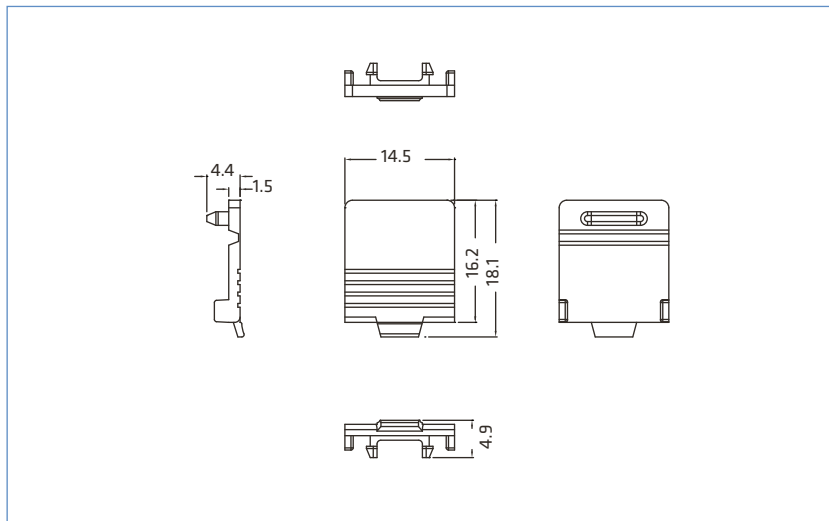


### Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YPPBP01579	CJ9340	UC CACC CJ V1	Punch down Tool for MJTR 8 Series Keystones	1pc/box

# UC CACC CP BK

24P, Punchdown Type Panel Cover Plate, Black



Dust Cover

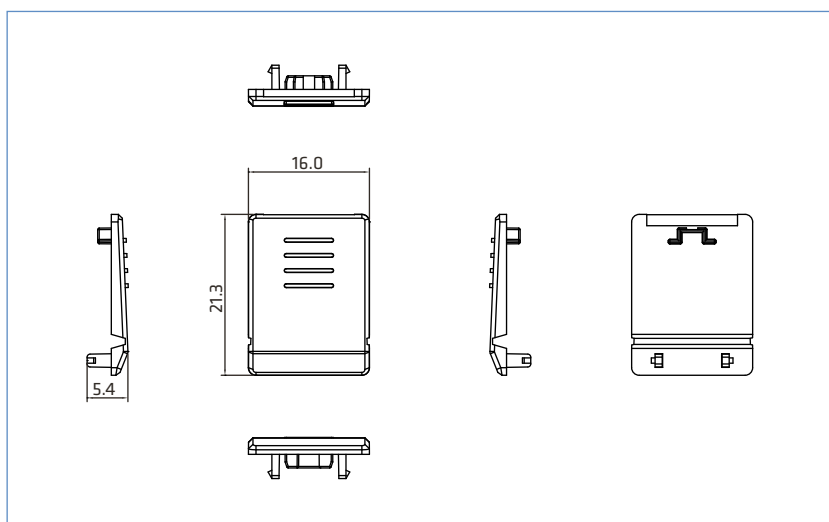


## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YCPBP00368	PUCP-BK	UC CACC CP BK	24P, Punchdown Type Panel Cover Plate, Black	10pc/bag

# UC CACC KP BK

24P Keystone Panel Cover Plate, Black



## Ordering Information

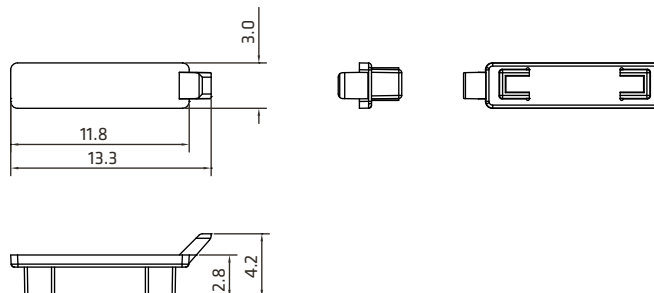
SAP IC	UC P/N	UC Material Code	Product Description	P.U
YKBP00377	KPCP-BK	UC CACC KP BK	24P Keystone Panel Cover Plate, Black	10pc/bag

## Dust Cover



## UC CACC KI BK

24P Keystone Panel Icon, Black

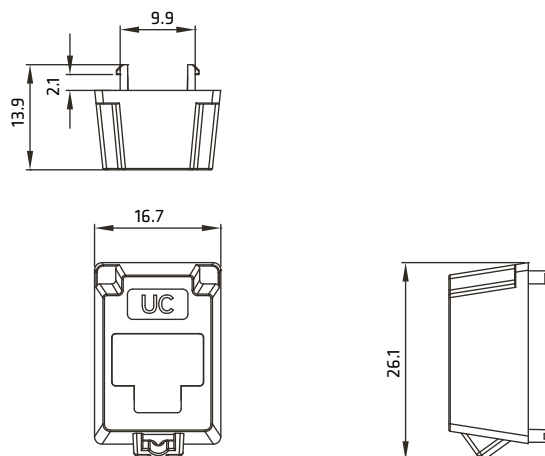


## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YKIBP00386	KPCP9223-BK	UC CACC KI BK	24P Keystone Panel Icon, Black	10pc/bag

## UC CACC PG WH/YL

Panel Secure Plug, Transparent/Yellow

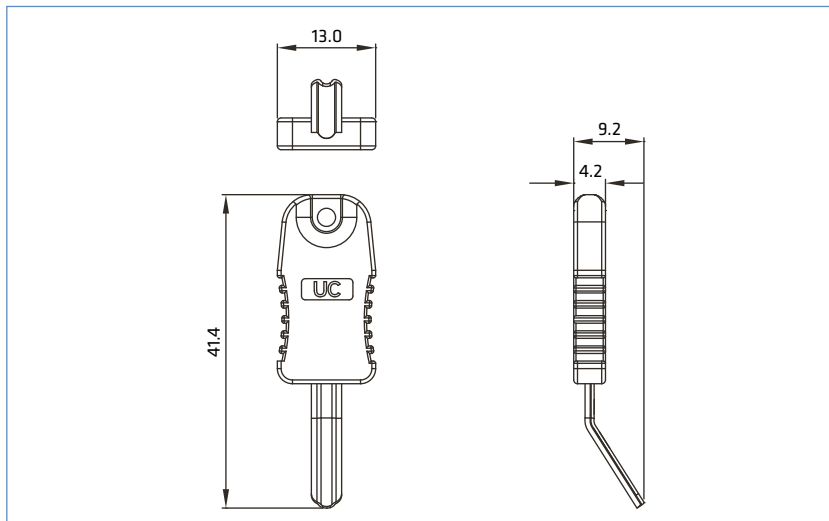


## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YGPBP00392	KPPG-WH	UC CACC PG WH	Panel Secure Plug, Transparent	10pc/bag
YGPBP00395	KPPG-YL	UC CACC PG YL	Panel Secure Plug, Yellow	10pc/bag

# UC CACC PK

Release Key to release Secure Plug



Dust Cover

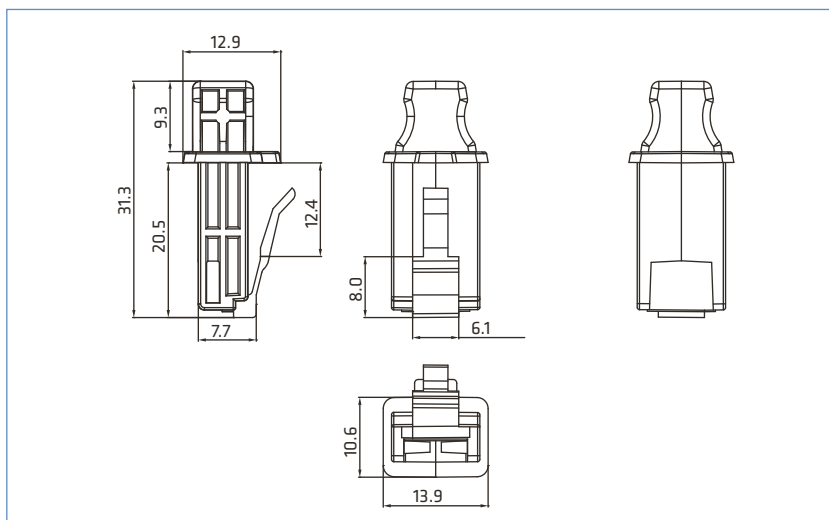


## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
VPKBP00396	KPPCK	UC CACC PK	Release Key to release Secure Plug	10pc/bag

# UC CACC CS

Cover for Panel Secure Plug



## Ordering Information

SAP IC	UC P/N	UC Material Code	Product Description	P.U
YCSBP01690	KPPGC	UC CACC CS	Cover for Panel Secure Plug	10pc/bag



The background of the page is an abstract composition. It features several thin, dark fiber optic cables extending from the top towards the center, each with a small, bright white light at its tip. The background is filled with broad, wavy bands of color, primarily in shades of deep blue and vibrant orange, creating a sense of motion and depth. A semi-transparent white horizontal band is positioned across the middle of the image, serving as a backdrop for the text.

## 8. Fibre Optic

Utmost accuracy during the manufacturing process – this is the “secret” of a high-capacity optical fibre. Only top quality permits an optimum data transmission – especially in the new high-speed networks. The necessary processes such as the plasma-activated deposition (PCVD) require state-of-the-art manufacturing techniques.

### Maximum link distances due to laser-optimized fibres

The cost-effective 10 Gbit Ethernet at 850nm is ideally supported by MaxCap OM3. Without re-installations, idle times and additional investments, it makes distances possible which allow the change to the next faster transmission protocol by using the existing network structure on the same infrastructure. It does not matter whether it concerns the frequently used applications with light emitting diodes (LED) or new interfaces on the basis of VCSELs.

### MaxCap OM4 - blue print for new multimode fibre standard

OM4 multimode fibre is ideal for 10G ink applications requiring a higher power budget, for example when more connectors are required, which is the case in Data Centres. They are also perfect for 10G applications requiring a longer distance than 300 meters (up to 550 meters). Finally, OM4 fibres are future proof, especially for 40 Gb/s and 100 Gb/s Ethernet solutions.

### BendBright technology

The key feature in the fibre design that allows for significant improvement in macro bending performance is the insertion of a field confining “trench” in the fibre cladding. This trench reduces the optical power in the region just outside the guiding core, which is very beneficial in keeping the signal inside the fibre when the fibre is bent. BendBright technology facilitates convincing benefits:

- 10-100x bending improvement over standard fibres
- Fully backwards compatible with i.e. G.652.D standard single mode fibre
- gives operators peace of mind at no extra cost

### Cabled optical fibre data sheets

This section shows the transmission properties of the Datacom cables based upon different fibre types.

#### The standard fibres in a glance:

	OM1	OM2	MaxCap-BB-OM3	MaxCap-BB-OM4	ESMF	BendbrightXS
Attenuation 850 nm	≤ 3.2 dB/km	≤ 2.7 dB/km	≤ 3.0 dB/km	≤ 3.0 dB/km		
Attenuation 1300 nm	≤ 1.0 dB/km	≤ 0.8 dB/km	≤ 1.0 dB/km	≤ 1.0 dB/km		
Attenuation 1310 nm					≤ 0.39 dB/km	≤ 0.38 dB/km
Attenuation 1550 nm					≤ 0.25 dB/km	≤ 0.23 dB/km
Bandwidth 850 nm	200 MHz·km	500 MHz·km	1500 MHz·km	3500 MHz·km		
Bandwidth EMB 850 nm			2000 MHz·km	4700 MHz·km		
Bandwidth 1300 nm	600 MHz·km	500 MHz·km	500 MHz·km	500 MHz·km		
Complete data cabled fibre data sheet	C02	C23	C31	C32	C03e	C24



## OM1 standard 62.5/125 µm multimode fibre (C02)

Application: This fibre is a graded-index multimode fibre suitable for transmission speeds of up to 10 Gb/s. It has a 62.5 µm core diameter and a 125 µm cladding diameter. The fibre is designed for use at 850 and/or 1300 nm. This fibre is suitable for use in premises wiring application like LAN's with video, data and or voice services using LED, VCSEL and Fabry-Perot laser sources.

## OM2 standard 50/125 µm multimode fibre (C34)

Application: This fibre is a graded-index multimode fibre suitable for transmission speeds of up to 10 Gb/s. It has a 50 µm core diameter and a 125 µm cladding diameter. The fibre is designed for use at 850 and/or 1300 nm. This fibre is suitable for use in premises wiring application like LAN's with video, data and or voice services using LED, VCSEL and Fabry-Perot laser sources.

## MaxCap-BB-OM3 multimode fiber (C31)

This fibre is a laser-optimised, graded-index multimode OM3 fibre suitable for transmission speeds of 10 Gb/s or higher. It has a 50 µm core diameter and a 125 µm cladding diameter. The fibre is optimised for maximum transmission properties at 850 nm; but is also well suited for 1300 nm systems. This fibre is fully compliant to the OM3 specification. The fibre supports 1000 m link length for a 1000BASE-SX system and 300 m for 10GBASE-SX, as well as 550 m for a 1000BASE-LX system. The outstanding bending performance of this fibre supports future compact cable management.

## MaxCap-BB-OM4 multimode fiber (C32)

This fibre is a laser-optimised, bend-insensitive graded-index multimode OM4 fibre suitable for transmission speeds of 10 Gb/s or higher. It has a 50 µm core diameter and a 125 µm cladding diameter. The fibre is optimised for maximum transmission properties at 850 nm; but is also well suited for 1300 nm systems. This fibre is fully compliant to the OM4 specification. The fibre supports 1100 m link length for a 1000BASE-SX system and 550 m for 10GBASE-SX, as well as 550 m for a 1000BASE-LX system. In data centres this fibre supports coming 40G/100G systems. The outstanding bend-ing performance of this fibre supports future compact cable management.

### Ethernet System Distances [m]

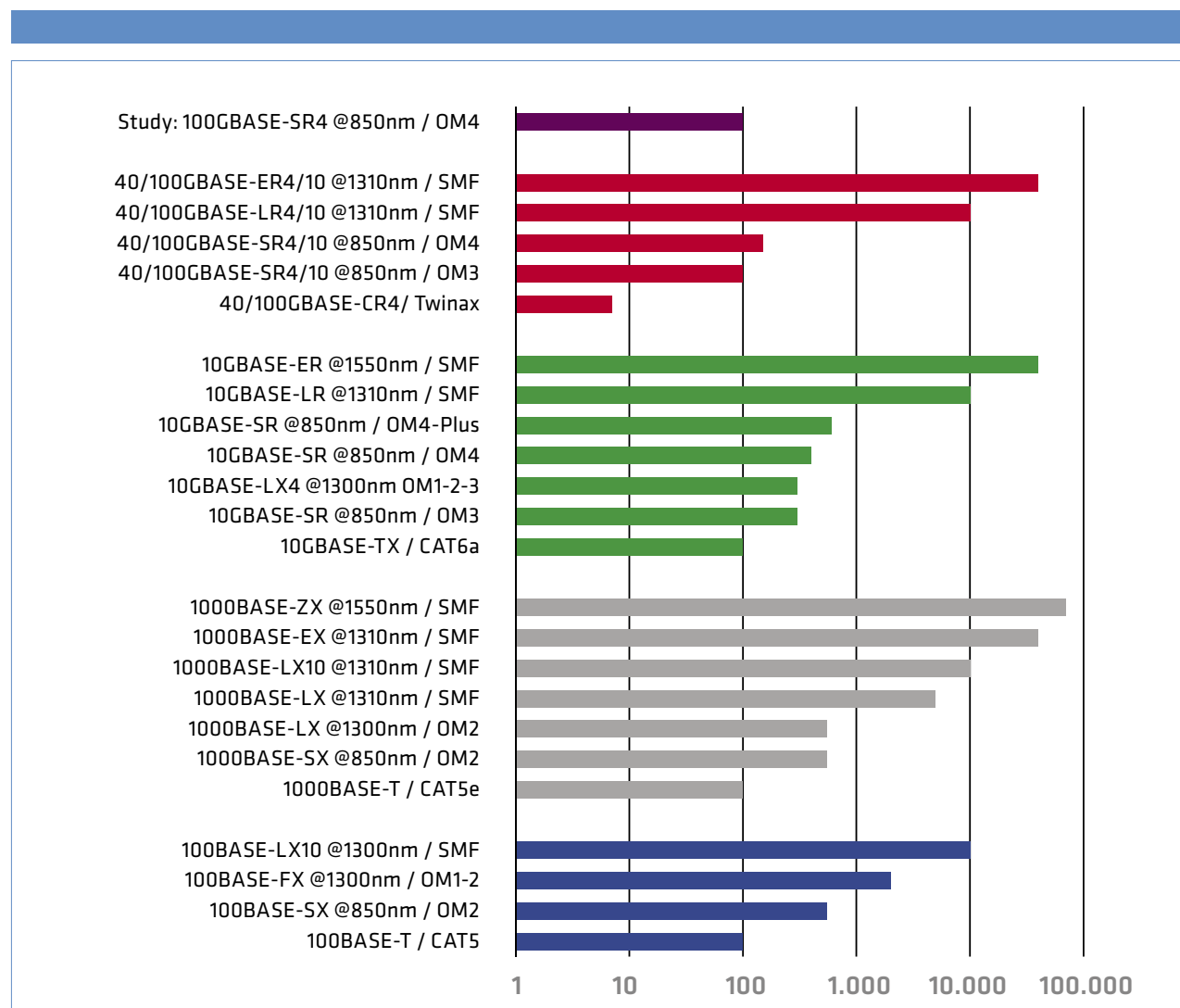
	Wavelength	Medium	Distance
<b>Study: 100GBASE-SR4</b>	850nm	OM4	100
<b>40/100GBASE-CR4</b>	Copper	Twinax	7
<b>40/100GBASE-SR4/10</b>	850nm	OM3	100
<b>40/100GBASE-SR4/10</b>	850nm	OM4	150
<b>40/100GBASE-LR4/10</b>	1310nm	SMF	10000
<b>40/100GBASE-ER4/10</b>	1310nm	SMF	40000
<b>10GBASE-TX</b>	Copper	CAT6a	100
<b>10GBASE-SR</b>	850nm	OM3	300
<b>10GBASE-LX4</b>	1300nm	OM1-2-3	300
<b>10GBASE-SR</b>	850nm	OM4	400
<b>10GBASE-SR</b>	850nm	OM4+	600
<b>10GBASE-LR</b>	1310nm	SMF	10000
<b>10GBASE-ER</b>	1550nm	SMF	40000
<b>1000BASE-T</b>	Copper	CAT5e	100
<b>1000BASE-SX</b>	850nm	OM2	550
<b>1000BASE-LX</b>	1300nm	OM2	550
<b>1000BASE-LX</b>	1310nm	SMF	5000
<b>1000BASE-LX10</b>	1310nm	SMF	10000
<b>1000BASE-EX</b>	1310nm	SMF	40000
<b>1000BASE-ZX</b>	1550nm	SMF	70000
<b>100BASE-T</b>	Copper	CAT5	100
<b>100BASE-SX</b>	850nm	OM2	550
<b>100BASE-FX</b>	1300nm	OM1-2	2000
<b>100BASE-LX10</b>	1300nm	SMF	10000

### BendBright-XS singlemode fiber, G.657.A2 and G.657.B2 (C24)

This enhanced low macro bending sensitive, low water-peak fibre, gives unsurpassed bending performance. The preferred use of the BendBright-XS fibre is in office installations, for patch cords, interconnection cables and for Fibre-to-the-Home networks. The BendBright-XS offers reduced bending radii for many cables types. The fibre fulfils the new ITU G.657 A2 and G.657 B2 specification (edition 2009), as well as G.652.D. The low macro bending sensitivity further guarantees that the 1625 nm window (L-band) will be available for future use in this bandwidth hungry environment.

### ESMF Standard singlemode fiber (C03e)

Application: This enhanced singlemode fiber provides improved performance across the entire 1260 nm to 1625 nm wavelength spectrum due to its low attenuation in 1383 nm the water-peak region.



8.1	CABLES	
	UCFIBRE™ MB SERIES	113
	UCFIBRE™ MT SERIES	114
	UCFIBRE™ MTC SERIES	116
	UCFIBRE™ BICM SERIES	117
	UCFIBRE™ SICM SERIES	118
	UCFIBRE™ ZICM SERIES	119
	UCFIBRE™ UTM SERIES	120
	UCFIBRE™ LTZMSM SERIES	121
	UCFIBRE™ LTZSM SERIES	122
	UCFIBRE™ LTFGP SERIES	123
	UCFIBRE™ LTFMSMWM SERIES	124
	UCFIBRE™ LTFMSMNWM SERIES	125
8.2	INDOOR TRUNK CABLES	
	MPO Pre-Terminated Trunk Cable	126
	MPO-LC Pre-Terminated Trunk Cable	127
8.3	UCFIBRE™ OPTICAL PATCHCORD	128
8.4	UCFIBRE™ OPTICAL PIGTAIL	129
8.5	UCFIBRE™ OPTICAL ADAPTORS	130
8.6	PATCH PANELS	
	UCCONNECT™ PATCH PANELS LIGHT WEIGHT BK	131
	UCCONNECT™ High Density Modular Panel	135
	UCCONNECT™ MTP® Module	136
	UCCONNECT™ Compact Fibre Splice Tray	137

# UC<sup>FIBRE™</sup> MB Series

## 2F-12 Fibres, Breakout Distribution Cable, LSZH Sheath

### 8.1 Cables

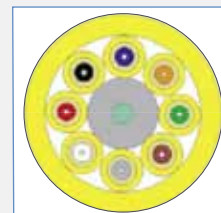
#### Features

- **Buffer Coating** : LSZH material, 0.9mm tight buffered fibre
- **Strength Member** : Aramid yarn within each sub-unit
- **Sub-unit sheath** : LSZH material
- **Central Strength Member** : FRP with up-coating when needed
- **Outer Sheath** : LSZH compliant to IEC 61034, IEC 60754-1&2, IEC 60332-1 & 60332-3-24
- Easy to strip and excellent for use in indoor installations requiring efficient terminations, and also in flame retardant, low smoke and halogen free environments.

#### Main characteristics

Test	Standard	Value	Sanction*
<b>Maximum Tension at installation (short term)</b>	IEC 60794-1-2-E1	660N	$\Delta I/I$ fibre $\leq 0.6\%$ , $\Delta \alpha$ reversible
<b>Tension opération max (long term)</b>	IEC 60794-1-2-E1	198N	$\Delta I/I$ fibre $\leq 0.2\%$ , $\Delta \alpha \leq 0.30$ dB(SM)/ 0.40 dB(MM)
<b>Crush</b>	IEC 60794-1-2-E3	1000N / 100mm	$\Delta \alpha \leq 0.30$ dB(SM)/ 0.40 dB(MM) , cable integrity

\* values for single-mode fibres, all optical measurements performed at 1550 nm  
values for multi-mode fibres, all optical measurements performed at 1300 nm



#### Overview

MB Series provides easy stripping and terminations in indoor application due to its unique tight buffering of each fibre unit.

#### Additional Options

- PVC Sheath (MBV Series)
- PE Sheath (MBP Series)
- PE Sheath for outdoor applications
- Steel Wire Braiding for armouring protection

#### Technical data

No. of Fibres		2,4	6	8	12
<b>Design</b>		Breakout			
<b>Buffer Diameter - Ø</b>	mm	0.9 ± 0.05	0.9 ± 0.05	0.9 ± 0.05	0.9 ± 0.05
<b>CSM/sheath diameter</b>	mm	1.0 nominal	0.75 nominal	2.0/3.5 nominal	2.0/6.2 nominal
<b>Sub-unit sheath thickness</b>	mm	0.35 nominal	0.35 nominal	0.35 nominal	0.35 nominal
<b>Sub-units diameter</b>	mm	2.0 ± 0.15	2.0 ± 0.15	2.0 ± 0.15	2.0 ± 0.15
<b>Outer sheath thickness</b>	mm	1.0 nominal	1.0 nominal	1.0 nominal	1.0 nominal
<b>Cable Diameter (AxB)</b>	mm	7.0 ± 0.5	8.2 ± 0.5	9.5 ± 0.5	12.3 ± 0.5
<b>Cable Weight</b>	kg / km	48	64	89	149
<b>Min. bending radius</b>		Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø	
<b>Temperature range</b>	°C	Installation -10 -> +60;		Transport. & Storage -40 -> +70 ;	Operation -20 -> +70
<b>Flame Retardant</b>		IEC 60332-1, IEC60332-3-24			

\*Please refer to our General Installation, Safety & Handling recommendations before handling.

#### Ordering Information

UC<sup>FIBRE™</sup> MB SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters MB to denote that it is a UC<sup>FIBRE™</sup> MB SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

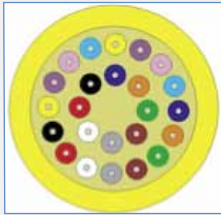
Example of a UC<sup>FIBRE™</sup> MB SERIES FO Cable part number:

**MB008M3**

The above example describes an OM3 (50um, Aqua Sheath) UC<sup>FIBRE™</sup> MB SERIES FO Cable, with 8 cores.

MB SERIES	CORE QUANTITY	FIBRE TYPE
MB	XXX	XX
	002 - 2 CORES 004 - 4 CORES 006 - 6 CORES 008 - 8 CORES 012 - 12 CORES	SM - SINGEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)

## 8.1 Cables



### Overview

One of the most widely used UC<sup>FIBRE™</sup> Indoor cable, MT series is excellent for indoor installation that provides a safe setup against flame propagation and its flexible yet robust construction makes installation at ease.

### Additional Options

- PVC Sheath
- PE Sheath for outdoor applications
- Steel Wire Braiding for armouring protection.

# UC<sup>FIBRE™</sup> MT Series

2-24 Cores, Indoor Tight Buffer Distribution Cable, LSZH Sheath

### Features

- **Tight buffer** : Each fibre is coated to 0.9mm with LSZH
- **Strength Member** : Aramid yarn
- **Outer Sheath** : LSZH compliant to IEC 61034, IEC 60754-1&2, IEC 60332-1 & 60332-3-24
- **Suitable for indoor installation requiring flame retardant, low smoke and halogen free environment**

### Main characteristics

Test	Standard	Value	Sanction*
<b>Maximum installation load (a few hours)</b>	IEC 60794-1-2-E1	1000 N (2F-8F), 1200N (12F, 24F)	Fibre strain ≤ 0.6%, Δα reversible
<b>Short term tensile strength. (some days)</b>	IEC 60794-1-2-E1	600N	Fibre strain ≤ 0.4%, Δα reversible
<b>Max operation tension</b>	IEC 60794-1-2-E1	280N (2F-12F), 340N (24F)	Fibre strain ≤ 0.2%, Δα ≤ 0.4 dB(MM), ≤0.30(SM)
<b>Crush (short term)</b>	IEC 60794-1-2-E3	1000 N / 100mm	Δα ≤ 0.4 dB(MM), ≤0.30(SM), no damage
<b>Temperature range</b>	IEC 60794-1-2-F1	-20 -> +70°C	Δα ≤ 0.6 dB /km(MM), ≤ 0.40dB/km(SM)

\* values for multi-mode fibres, all optical measurements performed at 1300 nm  
values for single-mode fibres, all optical measurements performed at 1550 nm

### Technical data

No. of Fibres		2,4,6	8	12	24
<b>Design</b>		1x6 TB	1x8 TB	1x12 TB	1x24 TB
<b>Tight buffer</b>	mm	0.9 ± 0.05	0.9 ± 0.05	0.9 ± 0.05	0.9 ± 0.05
<b>Outer sheath thickness</b>	mm	0.7 nominal	0.75 nominal	0.75 nominal	0.9 nominal
<b>Cable Nominal Diameter</b>	mm	4.8 nominal	5.4 nominal	6.2 nominal	8.8 nominal
<b>Sub-units diameter</b>	mm	20	26	33	60
<b>Cable Weight</b>		Without Tension		Under Maximum Tension	
<b>Min. bending radius</b>		10 × Cable-Ø		20 × Cable-Ø	
<b>Temperature range</b>	°C	Installation -10 -> +60;		Transport. & Storage -40 -> +70 ;	Operation -20 -> +70
<b>Flame Retardant</b>		IEC 60332-3-24			

### Ordering Information

UC<sup>FIBRE™</sup> MT SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters MT to denote that it is a UC<sup>FIBRE™</sup> MT SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a UC<sup>FIBRE™</sup> MT SERIES FO Cable part number:

**MT008M1**

The above example describes an OM1 (62.5um, Orange Sheath) UC<sup>FIBRE™</sup> MT SERIES FO Cable, with 8 cores.

MT SERIES	CORE QUANTITY	FIBRE TYPE
MT	XXX	XX
	002 - 2 CORES 004 - 4 CORES 006 - 6 CORES 008 - 8 CORES 012 - 12 CORES	SM - SINGLEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)

# UC<sup>FIBRE™</sup> MT Series

8.1 Cables

## 36, 48, 96 Cores Indoor, Tight Buffer Distribution Cable, LSZH Sheath

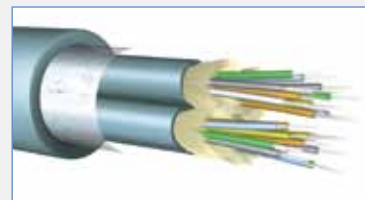
### Features

- **Tight buffer:** : Each fibre is coated to 0.9mm with LSZH
- **Strength Member** : Aramid yarn within each sub-unit
- **Sub-unit sheath** : LSZH material
- **Central Strength Member** : FRP with up-coating
- **Core Wrapping** : Polyester tape
- **Outer Sheath** : LSZH compliant to IEC 61034, IEC 60754-1&2, IEC 60332-1 & 60332-3-24
- **Suitable for Indoor Flame Retardant, Low Smoke and Halogen Free Environment**

### Main characteristics

Test	Standard	Value	Sanction*
<b>Maximum installation load (a few hours)</b>	IEC 60794-1-2-E1	4200 N (36F, 48F), 6600N (96F)	Fibre strain ≤ 0.6%, Δα reversible
<b>Short term tensile strength. (some days)</b>	IEC 60794-1-2-E1	2800 N (36F, 48F), 4400N (96F)	Fibre strain ≤ 0.4%, Δα reversible
<b>Max operation tension</b>	IEC 60794-1-2-E1	1400 N (36F, 48F), 2200N (96F)	Fibre strain ≤ 0.2%, Δα ≤ 0.4 dB(MM), ≤0.30(SM)
<b>Crush (short term)</b>	IEC 60794-1-2-E3	1000 N / 100mm	Δα ≤ 0.4 dB(MM), ≤0.30(SM), no damage
<b>Temperature range</b>	IEC 60794-1-2-F1	-20 -> +70°C	Δα ≤ 0.6 dB / km(MM), ≤ 0.30dB/km(SM)

\* values for single-mode fibres, all optical measurements performed at 1550 nm  
values for multi-mode fibres, all optical measurements performed at 1300 nm



### Overview

One of the most widely used UC<sup>FIBRE™</sup> Indoor cable, MT series is excellent for indoor installation that provides a safe setup against flame propagation and its flexible yet robust construction makes installation at ease.

### Additional Options

- PVC Sheath (MTV series)
- PE Sheath for outdoor applications
- Steel Wire Braiding for armouring protection

### Technical data

No. of Fibres		36	48	96
<b>Design</b>		6x6 TB	4x12 TB	8x12 TB
<b>Tight buffer Size</b>	mm	0.9 ± 0.05	0.9 ± 0.05	0.9 ± 0.05
<b>Sub-unit Diameter</b>	mm	4.8 ± 0.2	6.0 ± 0.2	6.0 ± 0.2
<b>Sub-unit sheath thickness</b>	mm	0.7 nominal	0.65 nominal	0.65 nominal
<b>Outer sheath thickness</b>	mm	1.4 nominal	1.4 nominal	1.5 nominal
<b>Cable Outer Diameter</b>	mm	17.7± 1.5	17.9± 1.5	25.3± 1.5
<b>Cable Weight</b>	kg / km	276	244	538
<b>Min. bending radius</b>	mm	Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø
<b>Temperature range</b>	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation -20 -> +70
<b>Flame Retardant</b>		IEC 60332-3-24		

\*Please refer to our General Installation, Safety & Handling recommendations before handling.

### Ordering Information

UC<sup>FIBRE™</sup> MT SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters MT to denote that it is a UC<sup>FIBRE™</sup> MT SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

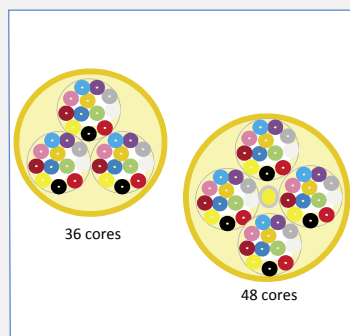
Example of a UC<sup>FIBRE™</sup> MT SERIES FO Cable part number:

**MT036M1**

The above example describes an OM1 (62.5um, Orange Sheath) UC<sup>FIBRE™</sup> MT SERIES FO Cable, with 36 cores.

MT SERIES	CORE QUANTITY	FIBRE TYPE
MT	XXX	XX
	036 - 36 CORES 048 - 48 CORES 096 - 96 CORES	SM - SINGLEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)

## 8.1 Cables



### Overview

Compact design version of MT Series with reduced overall diameter for easier installation and space limitation environment.

### Additional Options

- PVC Sheath
- PE Sheath for outdoor applications
- Steel Wire Braiding for armouring protection

# UC<sup>FIBRE™</sup> MTC Series

36 & 48 Cores, COMPACT Indoor Tight Buffer Distribution Cable, LSZH Sheath

### Features

- **Tight buffer** : Each fibre is coated to 0.9mm with LSZH
- **Strength Member** : Aramid yarn
- **Core Wrapping** : Polyester tape
- **Outer Sheath** : LSZH compliant to IEC 61034, IEC 60754-162, IEC 60332-1 & 60332-3-24
- **Suitable for Indoor Flame Retardant Environment.**
- **Up to 40% more compact & lighter than standard indoor types but with lesser tensile load.**

### Main characteristics

Test	Standard	Value	Sanction*
<b>Maximum installation load (a few hours)</b>	IEC 60794-1-2-E1	1300 N (36F, 48F)	Fibre strain ≤ 0.6%, Δα reversible
<b>Short term tensile strength. (some days)</b>	IEC 60794-1-2-E1	1300 N (36F, 48F)	Fibre strain ≤ 0.4%, Δα reversible
<b>Max operation tension</b>	IEC 60794-1-2-E1	400 N (36F, 48F)	Fibre strain ≤ 0.2%, Δα ≤ 0.4 dB(MM), ≤ 0.30(SM)
<b>Crush (short term)</b>	IEC 60794-1-2-E3	1000 N / 100mm	Δα ≤ 0.4 dB(MM), ≤ 0.30(SM), no damage
<b>Temperature range</b>	IEC 60794-1-2-F1	-20 -> +70°C	Δα ≤ 0.6 dB / km(MM), ≤ 0.30dB/km(SM)

\* values for multi-mode fibres, all optical measurements performed at 1300 nm  
values for single-mode fibres, all optical measurements performed at 1550 nm

### Technical data

No. of Fibres		36	48
<b>Design</b>		6x6 TB	4x12 TB
<b>Tight buffer</b>	mm	0.9 ± 0.05	0.9 ± 0.05
<b>Outer sheath thickness</b>	mm	1.2 nominal	1.2 nominal
<b>Cable Nominal Diameter</b>	mm	11.0± 1.5	12± 1.5
<b>Sub-units diameter</b>	mm	100	140
<b>Cable Weight</b>		Without Tension	Under Maximum Tension
<b>Min. bending radius</b>		10 × Cable-Ø	20 × Cable-Ø
<b>Temperature range</b>	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ; Operation -20 -> +70
<b>Flame Retardant</b>		IEC 60332-3-24 (3C)	

### Ordering Information

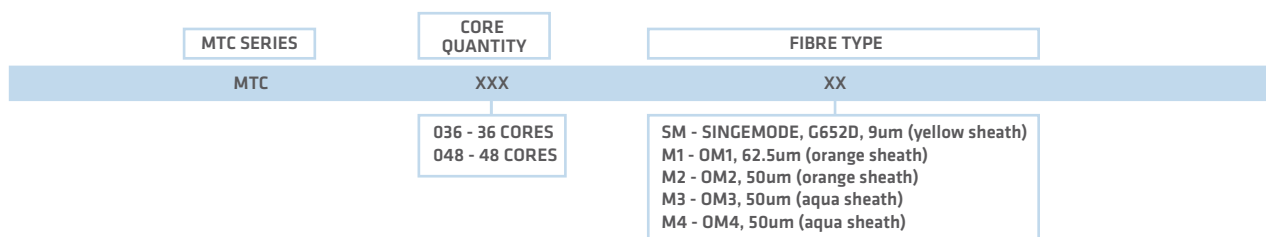
UC<sup>FIBRE™</sup> MTC SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters MTC to denote that it is a UC<sup>FIBRE™</sup> MTC SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a UC<sup>FIBRE™</sup> MTC SERIES FO Cable part number:

**MTC048M4**

The above example describes an OM4 (50um, Aqua Sheath) UC<sup>FIBRE™</sup> MTC SERIES FO Cable, with 48 cores.



# UC<sup>FIBRE™</sup> BICM Series

2, 4, 6, 8, 12 Fibres Interconnect cable, LSZH Jacket

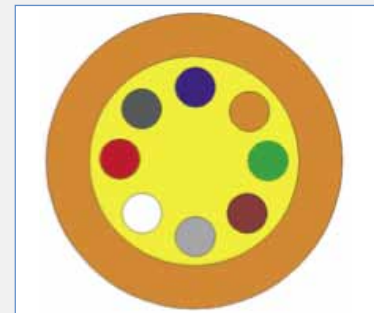
8.1 Cables

## Features

- **Fibre** : 2-12 core 250um coloured fibers
- **Strength Member** : Aramid yarn
- **Outer Sheath** : LSZH compliant to IEC 61034, IEC 60754-1&2, IEC 60332-1 & 60332-3-24

## Main characteristics

Test	Standard	Value	Sanction*
<b>Maximum Tension at installation (short term)</b>	IEC 60794-1-2-E1	220 N	fibre strain $\leq 0.6\%$ , $\Delta\alpha$ reversible
<b>Crush(short term)</b>	IEC 60794-1-2-E3	500 N / 100mm	$\Delta\alpha \leq 0.3$ dB (SM), 0.4 dB (MM), no damage
<b>Temperature range</b>	IEC 60794-1-2-F1	0 -> +70	$\Delta\alpha \leq 0.3$ dB /km (SM), 0.6 dB /km (MM)



## Overview

Up to 12 250um fibres protected by aramid yarns and LSZH sheath for indoor applications whereby easy stripping of fibre when terminating is required.

## Additional Options

- Plenum or Riser

## Technical data

No. of Fibres		2-12		
<b>Design</b>		1 x 12 coloured Fibres		
<b>Outer sheath thickness</b>	mm	0.7 nominal		
<b>Cable Nominal Diameter</b>	mm	3.3 ± 0.15		
<b>Cable Weight</b>	kg / km	10		
<b>Max installation tension</b>	N	220		
<b>Max operation tension</b>	N	73		
<b>Min. bending radius</b>	mm	Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø
<b>Temperature range</b>	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation 0 -> +70;
<b>Flame Retardant</b>		IEC 60332-1, IEC 60332-3-24		

## Ordering Information

UC<sup>FIBRE™</sup> BICM SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters BICM to denote that it is a UC<sup>FIBRE™</sup> BICM SERIES FO Cable with a LSZH sheath. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a BICM part number: -

**BICM002SM**

The above example describes a singlemode (G652D, 9um) UC<sup>FIBRE™</sup> BICM SERIES FO Cable (LSZH jacketing), with 2 cores.

BARE FIBRE 250um	INTERCONNECT	SHEATH	CORE QUANTITY	FIBRE TYPE
B	IC	M	XXX	XX
		LSZH	002 - 2 cores 004 - 4 cores 006 - 6 cores 008 - 8 cores 012 - 12 cores	SM - SINGLEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)



## 8.1 Cables



### Overview

UCFIBRE™ interconnect fibre optical provides the durability and flexibility to all indoor applications, its LSZH properties ensure a safe flame propagation restrictions and is widely used in any interconnect applications.

### Additional Options

- Plenum or Riser
- Duplex

## UCFIBRE™ SICM Series

### Interconnect 2.0mm, Simplex LSZH+OFNR

### Features

- **Tight buffer:** LSZH, 0.85mm semi-tight buffered fiber
- **Peripheral Reinforcement:** Aramid yarn
- **Outer Sheath:** LSZH & OFNR

### Main characteristics

Test	Standard	Value	Sanction*
<b>Maximum Tension at installation (short term)</b>	IEC 60794-1-2-E1	140N	$\Delta I/I$ fibre $\leq 0.6\%$ , $\Delta \alpha$ reversible
<b>Tension opération max</b>	IEC 60794-1-2-E1	70N	$\Delta I/I$ fibre $\leq 0.3\%$ , $\Delta \alpha \leq 0.30$ dB;
<b>Crush</b>	IEC 60794-1-2-E3	350N / 100mm	$\Delta \alpha \leq 0.30$ dB(SM); cable integrity

\* values for single-mode fibres, all optical measurements performed at 1550 nm

### Technical data

No. of Fibres		1		
Design		Simplex		
Buffer Diameter - Ø	mm	0.85 ± 0.05		
Cable Diameter (A x B)	mm	2.0 ± 0.1		
Cable Weight Approx.	kg / km	4		
Min. bending radius		Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø
Temperature range	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation -20 -> +70;
Flame Retardant		LSZH: UL c(UL) OFNR, IEC 60332-1, IEC60332-3-24		

### Ordering Information

UCFIBRE™ Simplex Interconnect FO part numbers are made up using the table below.

The part number always starts with the letters SICM to denote that it is a Simplex Interconnect FO Cable with a LSZH sheath. This is followed by 2 numbers which symbolises the cable diameter and then 2 letters to denote the fibre type.

Example of a SICM part number: -

**SICM02M3**

The above example describes an OM3 (50um), Simplex Interconnect FO Cable (LSZH jacketing), with 2.0mm cable diameter.

SIMPLEX	INTERCONNECT	SHEATH	CABLE DIAMETER	FIBRE TYPE
S	IC	M	02	XX
		LSZH	2.0mm	SM - SINGLEMODE, G652D, 9um (yellow sheath) M7 - G657A2, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath, Bendbright) M3 - OM3, 50um (aqua sheath, Bendbright) M4 - OM4, 50um (aqua sheath, Bendbright)

# UC<sup>FIBRE™</sup> ZICM Series

## Zipcord Interconnect Cable, LSZH Sheath

8.1 Cables

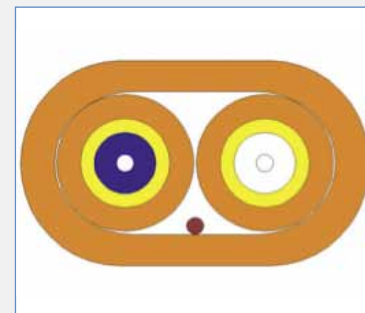
### Features

- **Buffer Coating:** LSZH material, tight buffered fiber
- **Peripheral reinforcement:** aramid yarns
- **Sub-unit Sheath:** LSZH OFNR
- **Outer Sheath:** LSZH, 1 ripcord beneath
- **Suitable for Duct Buried or Indoor/Outdoor Installation**

### Main characteristics

Test	Standard	Value	Sanction*
<b>Maximum Tension at installation (short term)</b>	IEC 60794-1-2-E1	220N	$\Delta I/I$ fibre $\leq 0.6\%$ , $\Delta \alpha$ reversible
<b>Tension opération max</b>	IEC 60794-1-2-E1	66N	$\Delta I/I$ fibre $\leq 0.2\%$ , $\Delta \alpha \leq 0.40$ dB (MM), $\leq 0.30$ dB (SM)
<b>Crush</b>	IEC 60794-1-2-E3	350N / 100mm	$\Delta \alpha \leq 0.40$ dB (MM), $\leq 0.30$ dB (SM) , cable integrity

\*values for single-mode fibres, all optical measurements performed at 1550 nm  
values for multi-mode fibres, all optical measurements performed at 1300 nm



### Overview

UC<sup>FIBRE™</sup> zipcord fibre optical provides the durability and flexibility to all indoor applications with ruggedized properties, its LSZH properties ensure a safe flame propagation restrictions and is widely used in any zipcord interconnect applications.

### Additional Options

- Plenum or Riser
- Duplex

### Technical data

No. of Fibres		2			
Design		/			
Buffer Diameter - Ø	mm	0.6 ± 0.05	0.6 ± 0.05	0.9 ± 0.05	0.9 ± 0.05
Sub-unit Sheath thickness	mm	0.25 nominal	0.3 nominal	0.35 nominal	0.5 nominal
Sub-unit Diameter	mm	1.6 nominal	1.8 nominal	2.0 nominal	2.9 nominal
Outer Sheath thickness	mm	0. 5 nominal	0.5 nominal	0. 5 nominal	0.5 nominal
Cable Diameter (H x W)	mm	2.6 x 4.3	2.8 x 4.7	3.0 x 5.1	3.9 x 6.9
Cable Weight	kg / km	12	14	17	28
Max installation tension	N	220	220	220	220
Min. bending radius		Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø	
Temperature range	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;		Operation -20 -> +70
Flame Retardant		LSZH, IEC 60332-1, IEC60332-3-24			

### Ordering Information

UC<sup>FIBRE™</sup> Zipcord Interconnect FO part numbers are made up using the table below.

The part number always starts with the letters ZICM to denote that it is a Zipcord Interconnect FO Cable with a LSZH sheath. This is followed by 1 number which symbolises the cable diameter, 2 numbers to represent the number of cores and then 2 letters to denote the fibre type.

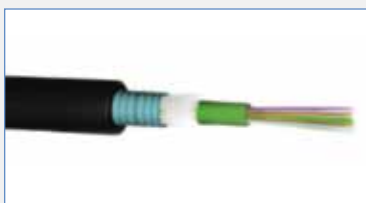
Example of a ZICM part number: -

**SICM02M1**

The above example describes an OM1 (62.5µm), Zipcord Interconnect FO Cable (LSZH jacketing), with 2.0mm cable diameter.

ZIPCORD	INTERCONNECT	SHEATH	CABLE DIAMETER	CORES QUANTITY	FIBRE TYPE
Z	IC	M	X	02	XX
		LSZH	6 - 1.6mm 2 - 2.0mm		SM - SINGEMODE, G652D, 9µm (yellow sheath) M7 - G657A2, 9µm (yellow sheath) M1 - OM1, 62.5µm (orange sheath) M2 - OM2, 50µm (orange sheath, Bendbright) M3 - OM3, 50µm (aqua sheath, Bendbright) M4 - OM4, 50µm (aqua sheath, Bendbright)

## 8.1 Cables



### Overview

UTM Series is excellent robust installations that enables flexible bending radius but till provide adequate mechanical protection in exposed installation environment, ie factories, outside buildings facilities.

### Additional Options

- PE Sheath (UT Series)
- Steel Wire Braiding for armouring protection
- UV Resistance

# UC<sup>FIBRE™</sup> UTM Series

2-12 Cores, Light Armoured, Uni-tube Cable, LSZH Sheath

### Features

- **Unitube:** thermoplastic material, containing up to 12 fibres and filled with a suitable water tightness compound.
- **Peripheral Strength Elements:** Aramid yarns.
- **Armour:** corrugated steel tape.
- **Outer Sheath:** LSZH in accordance to IEC 61034, IEC 60754-1 & 2.
- **Suitable for Duct Buried or Indoor/Outdoor Installation**

### Main characteristics

Test	Standard	Value	Sanction*
<b>Maximum Tension at installation (short term)</b>	IEC 60794-1-2-E1	220N	$\Delta I/I$ fibre $\leq 0.6\%$ , $\Delta \alpha$ reversible
<b>Tension opération max</b>	IEC 60794-1-2-E1	800N	$\Delta I/I$ fibre $\leq 0.2\%$ , $\Delta \alpha$ reversible
<b>Crush</b>	IEC 60794-1-2-E3	1500N / 800N / 100mm	$\Delta \alpha \leq 0.3$ dB , cable integrity
<b>Temperature range</b>	IEC 60794-1-2-F1	-20 -> +70°C	$\Delta \alpha \leq 0.3$ dB /km

\*values for single-mode fibres, all optical measurements performed at 1550 nm

values for multi-mode fibres, all optical measurements performed at 1300 nm

### Technical data

No. of Fibres		2, 4, 6, 8, 12		
Design		1x12		
Buffer Diameter - Ø	mm	3.0 nominal		
Cable Diameter (A x B)	mm	1.5 nominal		
Cable Weight Approx.	mm	8.1± 0.5		
Cable Weight	kg / km	92		
Max installation tension	N	1200		
Min. bending radius	mm	Without Tension 10 x Cable-Ø		Under Maximum Tension 20 x Cable-Ø
Temperature range	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation -20 -> +70;
Flame Retardant		IEC 60332-3-24		

### Ordering Information

UC<sup>FIBRE™</sup> UTM SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters UTM to denote that it is a UC<sup>FIBRE™</sup> UTM SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a UC<sup>FIBRE™</sup> UTM SERIES FO Cable part number:

**UTM006M2**

The above example describes an OM2 (50um, Orange Sheath) UC<sup>FIBRE™</sup> UTM SERIES FO Cable, with 6 cores.

UTM SERIES	CORE QUANTITY	FIBRE TYPE
UTM	XXX	XX
	002 – 2 cores 004 – 4 cores 006 – 6 cores 008 – 8 cores 012 – 12 cores	SM - SINGLEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)

# UC<sup>FIBRE™</sup> LTZMSM Series

12-96 Cores, Double Sheath Armoured Cable, LSZH

8.1 Cables

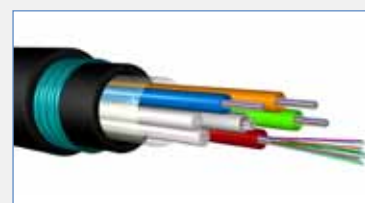
## Features

- **Central strength member (CSM):** steel wire with plastic coating when needed.
- **Tube:** thermoplastic material, containing up to 12 optical fibres and filled with a suitable water tightness compound.
- **Stranding:** The required numbers of elements (tubes or fillers) are SZ stranded around the central strength member.
- **Longitudinal Water Tightness:** polyester tape (jelly filled).
- **Inner Sheath:** LSZH.
- **Armour:** corrugated steel tape.
- **Outer Sheath:** LSZH. Flame Retardant to IEC 60332-3C
- **Suitable for Duct Buried or Indoor/Outdoor Installation.**

## Main characteristics

Test	Standard	Value	Sanction*
<b>Max. installation tension</b>	IEC 60794-1-2-E1	3000 N	fibre strain ≤ 0.33%, Δα reversible
<b>Crush(short term)</b>	IEC 60794-1-2-E3	3000N / 100mm	Δα ≤ 0.3 dB(MM), 0.1 dB(SM)
<b>Temperature Cycling</b>	IEC 60794-1-2-F1	-40 -> +70°C	Δα ≤ 0.3 dB/km(MM), 0.1 dB/km(SM)
<b>Water Penetration</b>	IEC 60794-1-2-F5B	sample=3m, water=1m	No water leakage after 24 hour

\*values for single-mode fibres, all optical measurements performed at 1550 nm  
values for multi-mode fibres, all optical measurements performed at 1300 nm



## Overview

LTZMSM Series offers better mechanical protection than LTZSM Series and is able to be deployed in exposed environment over short distances reducing the reliability of ducts and hence better cost efficiency.

## Additional Options

- PE Sheath (LTZPSP Series)
- Steel Wire Armouring
- UV Resistance
- Anti Rodent & Termite additives

## Technical data

No. of Fibres		12, 24	36, 48	96
<b>Design (Elements × Fibres per Tube)</b>		6x6	6x12	8x12
<b>Loose Tube / Filler - Ø</b>	mm	1.8	2.0	2.0
<b>CSM/sheath diameter</b>	mm	2.0	2.2	2.0/3.5
<b>Inner sheath thickness</b>	mm	0.8 nominal	0.8 nominal	0.8 nominal
<b>Outer sheath thickness</b>	mm	1.8 nominal	1.8 nominal	1.8 nominal
<b>Cable Diameter</b>	mm	12.5 nominal	13.1 nominal	14.4 nominal
<b>Cable Weight</b>	kg / km	210	232	270
<b>Max installation tension</b>	N	3000		
<b>Min. bending radius</b>	mm	Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø
<b>Temperature range</b>	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation -40 -> +70
<b>Flame Retardant</b>		IEC 60332-3-24		

## Ordering Information

UC<sup>FIBRE™</sup> LTZMSM SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters LTZMSM to denote that it is a UC<sup>FIBRE™</sup> LTZMSM SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a UC<sup>FIBRE™</sup> LTZMSM SERIES FO Cable part number:

**LTZMSM008M2**

The above example describes an OM2 (50um, Orange Sheath) UC<sup>FIBRE™</sup> LTZMSM SERIES FO Cable, with 8 cores.

LTZMSM SERIES	CORE QUANTITY	FIBRE TYPE
LTZMSM	XXX	XX
	012 - 12 CORES 024 - 24 CORES 036 - 36 CORES 048 - 48 CORES 096 - 96 CORES	SM - SINGLEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)

## 8.1 Cables



### Overview

LTZSM Series is one of the most value for cost UC Fibre cable which is able to run outdoor into indoor premises with protection against harsh elements ie Water / UV / Mechanical stress, while ensuring safety fire standards are in place.

### Additional Options

- PVC Sheath (LTZSV)
- PE Sheath (LTZSP)
- PE Sheath for outdoor applications
- Steel Wire Braiding for armouring protection

# UC<sup>FIBRE™</sup> LTZSM Series

12-96 Cores, Light Armoured Cable, LSZH Sheath

### Features

- **Central strength member (CSM):** steel wire with plastic coating when needed.
- **Tube:** thermoplastic material, containing up to 12 optical fibres and filled with a suitable water tightness compound.
- **Stranding:** The required numbers of elements (tubes or fillers) are SZ stranded around the central strength member.
- **Longitudinal Water Tightness:** WB jelly and water blocking yarn (partial jelly filled).
- **Armour:** corrugated steel tape.
- **Outer Sheath:** LSZH.
- **Suitable for Duct Buried or Indoor/Outdoor Installation.**

### Main characteristics

Test	Standard	Value	Sanction*
<b>Max. installation tension</b>	IEC 60794-1-2-E1	3000 N	fibre strain ≤ 0.33%, Δα reversible
<b>Crush(short term)</b>	IEC 60794-1-2-E3	3000N / 100mm	Δα ≤ 0.3 dB(MM), 0.1 dB(SM)
<b>Temperature range</b>	IEC 60794-1-2-F1	-40 -> +70°C	Δα ≤ 0.3 dB/km(MM), 0.1 dB/km(SM)
<b>Water Penetration</b>	IEC 60794-1-2-F5B	sample=3m, water=1m	No water leakage after 24 hour

\*values for single-mode fibres, all optical measurements performed at 1550 nm  
values for multi-mode fibres, all optical measurements performed at 1300 nm

### Technical data

No. of Fibres		12,24	36,48	96
<b>Design (Elements × Fibres per Tube)</b>		6x6	6x12	8x12
<b>Loose Tube / Filler - Ø</b>	mm	1.8	2.0	2.0
<b>CSM/sheath diameter</b>	mm	2.0	2.2	2.0/3.5
<b>Outer sheath thickness</b>	mm	1.8 nominal	1.8 nominal	1.8 nominal
<b>Cable Diameter</b>	mm	10.7 nominal	11.3 nominal	12.6 nominal
<b>Cable Weight</b>	kg / km	158	177	208
<b>Max installation tension</b>	N	3000		
<b>Min. bending radius</b>	mm	Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø
<b>Temperature range</b>	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation -40 -> +70
<b>Flame Retardant</b>		IEC 60332-3-24		

### Ordering Information

UC<sup>FIBRE™</sup> LTZSM SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters LTZSM to denote that it is a UC<sup>FIBRE™</sup> LTZSM SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a UC<sup>FIBRE™</sup> LTZSM SERIES FO Cable part number:

**LTZSM008M2**

The above example describes an OM2 (50um, Orange Sheath) UC<sup>FIBRE™</sup> LTZSM SERIES FO Cable, with 8 cores.

LTZSM SERIES	CORE QUANTITY	FIBRE TYPE
LTZSM	XXX	XX
	012 - 12 CORES 024 - 24 CORES 036 - 36 CORES 048 - 48 CORES 096 - 96 CORES	SM - SINGLEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)

# UC<sup>FIBRE™</sup> LTFGP Series

12-96 Cores, Non Metallic Armoured Rodent Resistant Cable, PE Sheath

8.1 Cables

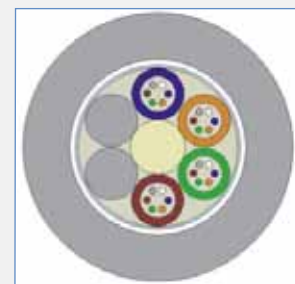
## Features

- **Central strength member (CSM):** glass fibre reinforced plastic material (FRP) with plastic coating when needed.
- **Tube:** thermoplastic material, containing up to 12 optical fibres and filled with a suitable water tightness compound.
- **Stranding:** The required numbers of elements (tubes or fillers) are SZ stranded around the central strength member.
- **Longitudinal Water Tightness:** polyester tape (jelly filled).
- **Peripheral reinforcement:** glass yarns.
- **PE Outer Sheath:** HDPE with rodent repellent additive.

## Main characteristics

Test	Standard	Value	Sanction*
<b>Max. installation tension</b>	IEC 60794-1-2-E1	1500 N	fibre strain ≤ 0.33%, Δα reversible
<b>Crush(short term)</b>	IEC 60794-1-2-E3	1000N / 100mm	Δα ≤ 0.3 dB(MM), 0.1 dB(SM)
<b>Temperature range</b>	IEC 60794-1-2-F1	-3 0 -> +70°C	Δα ≤ 0.3 dB/km(MM), 0.1 dB/km(SM)
<b>Water Penetration</b>	IEC 60794-1-2-F5B	sample=3m, water=1m	No water leakage after 24 hour

\*values for single-mode fibres, all optical measurements performed at 1550 nm  
values for multi-mode fibres, all optical measurements performed at 1300 nm



## Overview

Most suitable for outdoor installations whereby non-metallic properties are not allowed but requires rodent protection.

## Additional Options

- LSZH Sheath (LTFGM Series)
- Anti Termite additives
- Nylon Sheath (LTFGPN Series)

## Technical data

No. of Fibres		12,24	36,48	96
<b>Design (Elements × Fibres per Tube)</b>		6x6	6x12	8x12
<b>Loose Tube / Filler - Ø</b>	mm	1.8	2.1	2.1
<b>CSM/sheath diameter</b>	mm	2.0	2.3	2.2/3.7
<b>Outer sheath thickness</b>	mm	1.5 nominal	1.5 nominal	1.5 nominal
<b>Cable Diameter</b>	mm	9.9 nominal	10.6 nominal	11.9 nominal
<b>Cable Weight</b>	kg / km	87	99	119
<b>Max installation tension</b>	N	1500		
<b>Min. bending radius</b>	mm	Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø
<b>Temperature range</b>	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;	Operation -30 -> +70

## Ordering Information

UC<sup>FIBRE™</sup> LTFGP SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters LTFGP to denote that it is a UC<sup>FIBRE™</sup> LTFGP SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

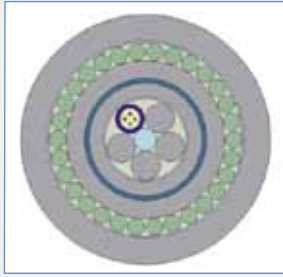
Example of a UC<sup>FIBRE™</sup> LTFGP SERIES FO Cable part number:

**LTFGP008M4**

The above example describes an OM4 (50um, Aqua Sheath) UC<sup>FIBRE™</sup> LTFGP SERIES FO Cable, with 8 cores.

LTFGP SERIES	CORE QUANTITY	FIBRE TYPE
LTFGP	XXX	XX
	012 - 12 CORES 024 - 24 CORES 036 - 36 CORES 048 - 48 CORES 096 - 96 CORES	SM - SINGLEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)

## 8.1 Cables



## Overview

This cable is especially designed for harsh environments. The double armour combination of corrugated steel tape and galvanized steel provide superior crush protection to the fibers. Water tightness compound within loose tube reinforced by polyester tape and jelly protects the fibers against chemical, corrosion and moisture.

## Fire Rating

- IEC 60332-1, IEC 60332-24, IEC 61034-2, IEC 60754-1/2

## UC FIBRE™ LTFMSMWM Series

2 ~ 96 Fibres, SWA, Heavy Armoured Cable, LSZH Sheath

## Features

- **Central strength member (CSM):** glass fibre reinforced plastic material (FRP) with PE coating when needed
- **Tube:** thermoplastic material, containing up to 12 optical fibres and filled with a suitable water tightness compound
- **Stranding:** The required numbers of elements (tubes or fillers) are SZ stranded around the central strength member
- **Core Wrapping:** polyester tape (jelly filled)
- **Inner Sheath:** LSZH
- **Inner Armour:** Corrugated steel tape
- **Middle Sheath:** LSZH
- **Outer Armour:** Galvanized steel wire. WB jelly filled, wrapped with cotton tape
- **Outer Sheath:** LSZH
- **Suitable for Direct Buried, Rodent/Termite/Water/Chemical environment.**  
Flame retardant to IEC 60332-3C. LSZH to IEC 61034 & IEC 60754-1&2.

## Main characteristics

Test	Standard	Value	Sanction*
<b>Max. installation tension</b>	IEC 60794-1-2-E1	6000 N	No visible fibre strain, $\Delta\alpha \leq 0.05$ dB
<b>Crush</b>	IEC 60794-1-2-E3	400N / 100mm	$\Delta\alpha \leq 0.3$ dB(MM), 0.05 dB(SM)
<b>Impact</b>	IEC 60794-1-2-E4	30 Nm, 3 impacts, r=300mm	$\Delta\alpha \leq 0.3$ dB(MM), 0.05 dB(SM)
<b>Temperature Cycling</b>	IEC 60794-1-2-F1	-30 -> +70°C	$\Delta\alpha \leq 0.3$ dB/km(MM), 0.05 dB/km(SM)
<b>Water Penetration</b>	IEC 60794-1-2-F5B	sample=3m, water=1m	No water leakage after 24 hour

\*values for single-mode fibres, all optical measurements performed at 1550 nm  
values for multi-mode fibres, all optical measurements performed at 1300 nm

## Technical data

No. of Fibres		2,4,8	6,12	24,36,48	72	96
<b>Design (Elements × Fibres per Tube)</b>		5x4	5x6	5x12	6x12	8x12
<b>Loose Tube / Filler - Ø</b>	mm	2.0 nominal			2.0 nominal	2.0 nominal
<b>CSM/sheath diameter</b>	mm	1.5 nominal			2.2 nominal	2.2/3.5
<b>Inner sheath thickness</b>	mm	0.8 nominal			0.8 nominal	0.8 nominal
<b>Middle sheath thickness</b>	mm	1.0 nominal			1.0 nominal	1.0 nominal
<b>Galvanized steel wire</b>	mm	1.0 nominal			1.0 nominal	1.25 nominal
<b>Outer sheath thickness</b>	mm	1.9 nominal			1.9 nominal	1.9 nominal
<b>Cable Diameter</b>	mm	17.1 nominal			17.8 nominal	19.6 nominal
<b>Cable Weight</b>	kg / km	480			518	648
<b>Max installation tension</b>	N	6000				
<b>Min. bending radius</b>	mm	Without Tension 15 × Cable-Ø			Under Maximum Tension 25 × Cable-Ø	
<b>Temperature range</b>	°C	Installation -5 -> +50;		Transport. & Storage -40 -> +70 ;		Operation -30 -> +70

## Ordering Information

UC FIBRE™ LTFMSMWM SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters LTFMSMWM to denote that it is a UC FIBRE™ LTFMSMWM SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a UC FIBRE™ LTFMSMWM SERIES FO Cable part number:

**LTFMSMWM08M1**

The above example describes an OM1 (62.5um, Orange Sheath) UC FIBRE™ LTFMSMWM SERIES FO Cable, with 8 cores.

LTFMSMWM SERIES	CORE QUANTITY	FIBRE TYPE
LTFMSMWM	XXX	XX
	002 - 2 CORES 004 - 4 CORES 006 - 6 CORES 008 - 8 CORES 012 - 12 CORES	024 - 24 CORES 036 - 36 CORES 048 - 48 CORES 072 - 72 CORES 096 - 96 CORES
		SM - SINGLEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)

# UC<sup>FIBRE™</sup> LTFMSMNWM Series

SWA, Nylon + LSZH Sheath, Chemical/Corrosive Resistant

8.1 Cables

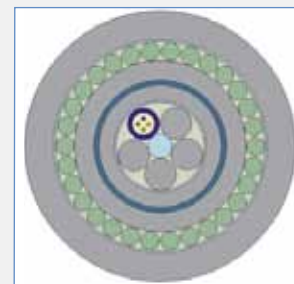
## Features

- **Central strength member (CSM):** glass fibre reinforced plastic material (FRP) with PE coating when needed.
- **Tube:** thermoplastic material, containing up tp 12 optical fibres and filled with a suitable water tightness compound
- **Stranding:** The required numbers of elements (tubes or fillers) are SZ stranded around the central strength member
- **Core Wrapping:** polyester tape (jelly filled)
- **Inner Sheath:** MDPE (P) or LSZH (M)
- **Inner Armour:** Corrugated steel tape
- **Middle Sheath:** HDPE (P) or LSZH (M)
- **Nylon sheath:** Black Nylon Polyamide 12 (PA 12)
- **Outer Armour:** Galvanized steel wire. WB jelly filled
- **Outer Sheath:** LSZH flame retardant to IEC 60332-3C
- **Suitable for Direct Buried, Rodent /Termites/Corrosive environment. Flame retardant to LSZH to IEC 60332-3C, 61034 & 60754-162**

## Main characteristics

Test	Standard	Value	Sanction*
<b>Max. installation tension</b>	IEC 60794-1-2-E1	6000 N	No visible fibre strain, $\Delta\alpha \leq 0.05$ dB
<b>Crush</b>	IEC 60794-1-2-E3	4000N / 100mm	$\Delta\alpha \leq 0.3$ dB(MM), 0.05 dB(SM)
<b>Impact</b>	IEC 60794-1-2-E4	30 Nm, 3 impacts, r=300mm	$\Delta\alpha \leq 0.3$ dB(MM), 0.05 dB(SM)
<b>Temperature Cycling</b>	IEC 60794-1-2-F1	-30 -> +70°C	$\Delta\alpha \leq 0.3$ dB/km(MM), 0.05 dB/km(SM)
<b>Water Penetration</b>	IEC 60794-1-2-F5B	sample=3m, water=1m	No water leakage after 24 hour

\*values for single-mode fibres, all optical measurements performed at 1550 nm  
values for multi-mode fibres, all optical measurements performed at 1300 nm



## Overview

This cable is especially designed for harsh environments. The double armour combination of corrugated steel tape and galvanized steel provide superior crush protection to the fibers. Water tightness compound within loose tube reinforced by polyester tape and jelly protects the fibers against chemical, corrosion and moisture.

## Fire Rating

- IEC 60332-1, IEC 60332-24, IEC 61034-2, IEC 60754-1/2

## Technical data

No. of Fibres		2, 4, 8	6, 12	24, 36, 48	72	96
<b>Design (element x fibre per tube)</b>		5x4	5x6	5x12	6x12	8x12
<b>Loose Tube / Filler - Ø</b>	mm		2.0 nominal		2.0 nominal	2.0 nominal
<b>CSM/sheath diameter</b>	mm		1.5 nominal		2.2 nominal	2.0/3.5
<b>Inner sheath thickness</b>	mm		0.8 nominal		0.8 nominal	0.8 nominal
<b>Middle sheath thickness</b>	mm		1.0 nominal		1.0 nominal	1.0 nominal
<b>Nylon sheath thickness</b>	mm		0.4 nominal		0.4 nominal	0.8 nominal
<b>Galvanized steel wire</b>	mm		1.0 nominal		1.0 nominal	1.25 nominal
<b>Outer sheath thickness</b>	mm		1.9 nominal		1.9 nominal	1.9 nominal
<b>Cable Diameter</b>	mm		17.9 nominal		18.6 nominal	20.4 nominal
<b>Cable Weight</b>	kg / km		523		559	709
<b>Max installation tension</b>	N		6000			
<b>Min. bending radius</b>	mm		Without Tension 15 x Cable-Ø		Under Maximum Tension 25 x Cable-Ø	
<b>Temperature radius</b>	°C		Installation -5 -> +50;	Transport. & Storage -40 -> +70 ;		Operation -30 -> +70

## Ordering Information

UC<sup>FIBRE™</sup> LTFMSMNWM SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters LTFMSMNWM to denote that it is a UC<sup>FIBRE™</sup> LTFMSMNWM SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a UC<sup>FIBRE™</sup> LTFMSMNWM SERIES FO Cable part number:

**LTFMSMNWM08M1**

The above example describes an OM1 (62.5um, Orange Sheath) UC<sup>FIBRE™</sup> LTFMSMNWM SERIES FO Cable, with 8 cores.

LTFMSMNWM SERIES	CORE QUANTITY	FIBRE TYPE
LTFMSMNWM	XXX	XX
	002 - 2 CORES 004 - 4 CORES 006 - 6 CORES 008 - 8 CORES 012 - 12 CORES	024 - 24 CORES 036 - 36 CORES 048 - 48 CORES 072 - 72 CORES 096 - 96 CORES
		SM - SINGLEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)



## 8.2 Indoor Trunk



- MTP® is a registered MPO connector, Trademark of USCONEC
- Low loss fibres or Draka BendBright™ fibres are used for better insertion loss requirements when needed.
- Factory Terminated and Component Tested

# MPO Pre-Terminated Trunk Cable

Indoor, LSZH, Low Loss, MTP® or MPO

## Overview

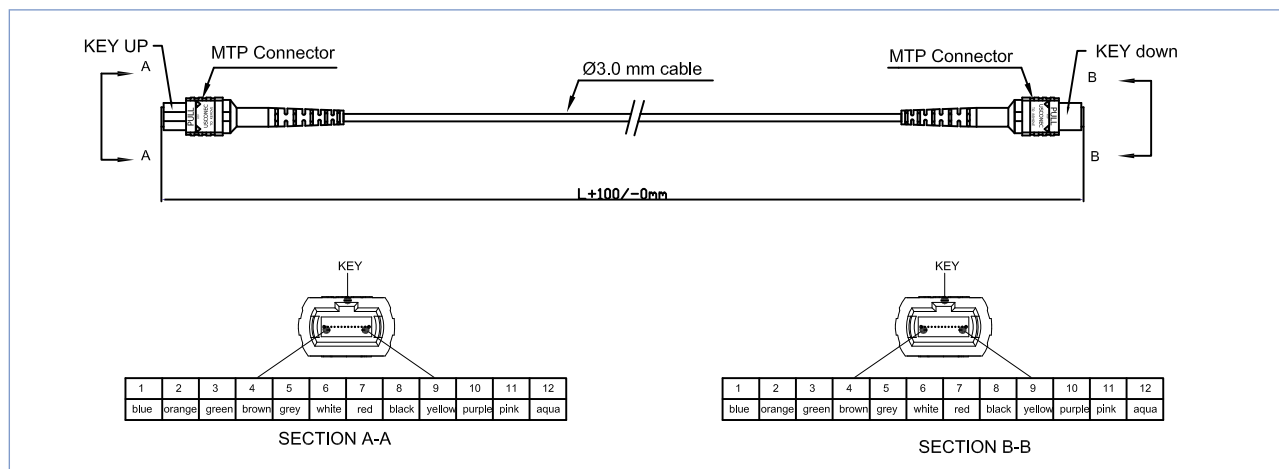
1. TOLERANCES OF LENGTH (mm)
  - $L \leq 50000 \quad \pm 50$
  - $L > 50000 \quad \pm 0.01L$
2. Standard lengths for patch cords are 1, 2, 3, 5, 10 meters and customized.
3. The diameters(ΦD) of the cable are 8.5mm.
4. Material of cable sheath as normal is PVC, can be as required change to LSZH or other types material.
5. Fibre Type : as per required.

## Technical specification

Item	Technical Parameters	
Connector Type	UPC	APC
Operation Temperature	-40°C ~ +80°C	
Insertion Loss (MM)	$\leq 0.35\text{dB} + \text{loss of cable length}$	
Return Loss (MM)	$\geq 20\text{dB}$	$\geq 50 \text{ dB (SM)}$

Note: The insertion loss based on above value need to plus fiber attenuation.

Fibre type	Fibre Attenuation(dB/km)			
	1310nm	1383nm	1550nm	1625nm
G652D	0.6	0.6	0.5	0.6
G655	---	---	0.5	0.6
G657A	0.5	---	0.4	0.5
G657B	0.6	0.6	0.6	0.6
	850nm	1300nm		
62.5/50	3.5	1.5		
OM3/OM4	2.5	0.8		



## Ordering Information

Please contact our local offices for more details.

# MPO-LC Pre-Terminated Trunk Cable

Indoor, LSZH, Low Loss, MTP® or MPO

## Overview

1. TOLERANCES OF LENGTH (mm)
  - $L \leq 50000$   $\pm 50$
  - $L > 50000$   $\pm 0.01L$
2. Standard lengths for patch cords are 1, 2, 3, 5, 10 meters and customized.
3. The diameters( $\Phi$ D) of the cable are 8.5mm.
4. Material of cable sheath as normal is PVC, can be as required change to LSZH or other types material.
5. Fibre Type : as per required.

## Technical specification

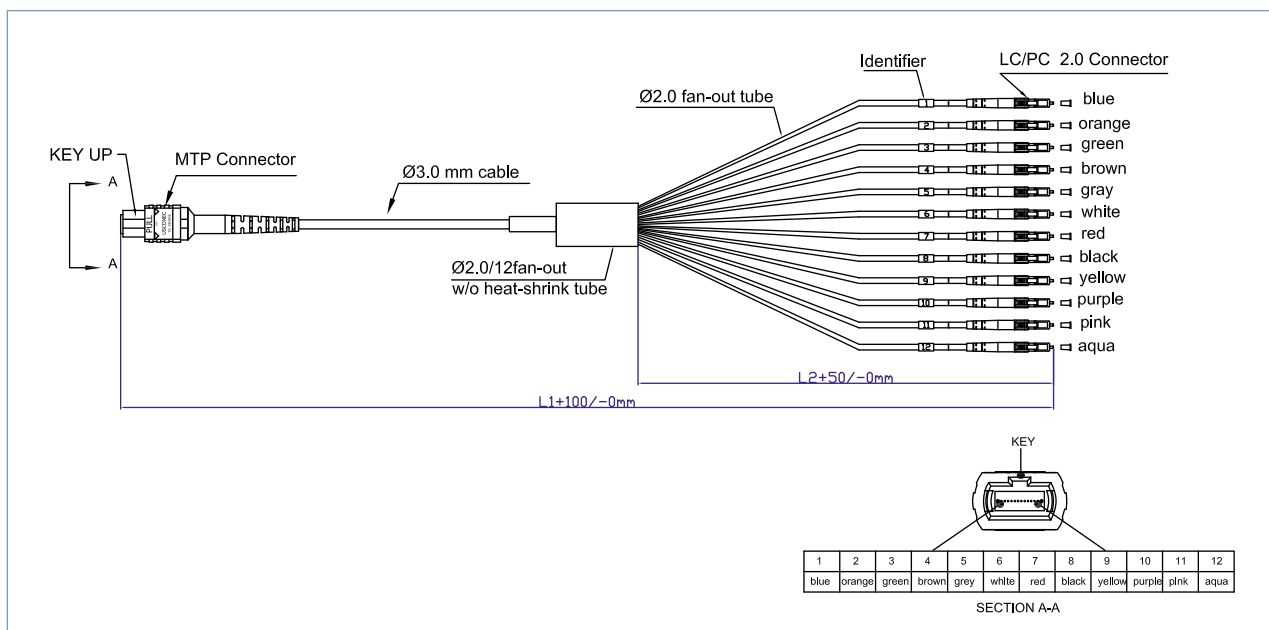
Item	Technical Parameters	
Connector Type	UPC	APC
Operation Temperature	-40°C ~ +80°C	
Insertion Loss (MM)	$\leq 0.35\text{dB} + \text{loss of cable length}$	
Return Loss (MM)	$\geq 20\text{dB}$	$\geq 50\text{ dB (SM)}$

Note: The insertion loss based on above value need to plus fiber attenuation.

Fiber type	Fiber Attenuation(dB/km)			
	1310nm	1383nm	1550nm	1625nm
G652D	0.6	0.6	0.5	0.6
G655	---	---	0.5	0.6
G657A	0.5	---	0.4	0.5
G657B	0.6	0.6	0.6	0.6
	850nm	1300nm		
62.5/50	3.5	1.5		
OM3/OM4	2.5	0.8		



- MTP® is a registered MPO connector, Trademark of USCONEC
- Low loss fibres or Draka BendBright™ fibres are used for better insertion loss requirements when needed.
- Factory Terminated and Component Tested



## Ordering Information

Please contact our local offices for more details.

## 8.3 Optical Patchcord

# UC<sup>FIBRE™</sup> OPTICAL PATCHCORD



- Factory Terminated and Component Tested

### Overview

High performance optical patchcords ensuring network performs to the highest level. Draka offers an extensive range of optical patchcords for use in FTTx, telecommunications, data communications and CATV applications. All patchcords are fully qualified to Telcordia GR326 and IEC 61300 and all materials used are RoHS compliant. Can be supplied in a variety of lengths and with a variety of different connector types. Different fibre types and cable diameters are also available on request. Hybrid patchcords with different connector types on each end are also available.

### Features

- Full traceability and test certification supplied with each assembly.
- Ultra polish (UPC) supplied as standard and Angle polish (APC) also available.
- Qualified to Telcordia GR326 and IEC 61300 standards and RoHS compliant materials.properties.
- Can be supplied with many different connector types such as FC, SC, ST, E2000, LC, DIN and others on request.
- Available in singlemode and multimode (50/125 and 62.5/125).
- Many fibre types available including singlemode, multimode, low loss & bend insensitive fibres.
- Lengths available from 1 metre to 99 metres.
- Cable diameters available in 1.6mm, 2mm and 3mm.
- Standard thickness, LC-LC(2m), LC-others (3m).
- All connectors are supplied with ceramic ferrules.

### Application

- FTTx
- Telecommunications
- Data communication
- CATV
- Test and measurement

### Technical data

Item No.	Singlemode (1310/1550nm)	Multimode (850nm)
Maximum Insertion Loss (dB)	≤ 0.3 Typical 0.2 (UPC and APC)	≤ 0.4 (UPC)
Return Loss (dB)	≥ 55 (UPC), ≥ 65 (APC)	Not measured
Intermateability	IEC 874-14	IEC 874-14
Operating temperature	-40°C to + 85°C	-40°C to + 85°C

### Ordering Information

Patchcord part numbers are made up using the table below.

The part number always starts with the letters PC to denote that it is a patchcord. This is followed by a letter which signifies the type of termination and then another letter to denote the sheath of the patchcord. The first 2 numbers represents the micron, and the second set of numbers represents the connector The dash is next, followed by a number to denote the length of the patchcord.

Note: Patchcords must be ordered in 1 metre increments.

Example of a patchcord part number: -

**PCDL06209-1**

The above example describes a patchcord 1 metre in length, with LC/FC connectors on both ends. It is an OM1 (62.5um) duplex patchcord with a LSZH sheath.

PATCHCORD	TERMINATION (DUPLEX)	SHEATH	MICRON	CONNECTOR	LENGTH
PC	D	L	XX	XX	- XX
		LSZH	009 - 9um OS1 / OS 2 062 - 62.5um OM1 050 - 50um OM2 033 - 50um OM3 040 - 50um OM4	01-SC-SC 02-SC-FC 03-SC-ST 04-FC-FC 05-FC-ST 06-ST-ST 07-LC-LC 08-LC-SC 09-LC-FC 10-LC-ST	EXAMPLES:  1 = 1m 2 = 2m 15 = 15m 99 = 99m  Note: Patchcords should be ordered in 1m (in one metres)

# UC<sup>FIBRE™</sup> OPTICAL PIGTAIL

## 8.4 Optical Pigtail

### Overview

High performance optical pigtails ensuring network performs to the highest level. Draka offers an extensive range of optical pigtails for use in FTTx, telecommunications, data communications and CATV applications. All pigtails are fully qualified to Telcordia GR326 and IEC 61300 and all materials used are RoHS compliant. can be supplied in a variety of lengths and with a variety of different connector types.

### Features

- Full traceability and test certification supplied with each assembly.
- Ultra polish (UPC) supplied as standard and Angle polish (APC) also available.
- Qualified to Telcordia GR326 and IEC 61300 standards and RoHS compliant materials properties.
- Can be supplied with many different connector types such as FC, SC, ST, E2000, LC, DIN and others on request.
- Available in singlemode and multimode (50/125 and 62.5/125).
- Many fibre types available including singlemode, multimode, low loss & bend insensitive fibres.
- Standard length supplied is 1m or 2m.
- Standard cable diameter is 900 micron with easy strip buffering.
- Ruggedised pigtails can also be supplied in 1.6mm, 2mm and 3mm.

### Application

- FTTx
- Telecommunications
- Data communication
- CATV
- Test and measurement



- Factory Terminated and Component Tested

### Technical data

Item No.	Singlemode (1310/1550nm)	Multimode (850nm)
Maximum Insertion Loss (dB)	≤ 0.3 Typical 0.2 (UPC and APC)	≤ 0.4 (UPC)
Return Loss (dB)	≥ 55 (UPC), ≥ 65 (APC)	Not measured
Intermateability	IEC 874-14	IEC 874-14
Operating temperature	-40°C to + 85°C	-40°C to + 85°C

### Ordering Information

Pigtail part numbers are made up using the table below.

The part number always starts with the letters PT to denote that it is a pigtail. The first 2 digit code denotes the micron, followed by the next 2 letters which represents the connector type. The dash is next, followed by a number to denote the length of the pigtail.

Note: Pigtails must be ordered in 1 metre increments.

Example of a pigtail part number: -

**PT009SC-1**

The above example describes a pigtail 1 metre in length, with SC connector on one end. It is an OS1/2 (9um) pigtail.

PIGTAIL	MICRON	CONNECTOR	LENGTH
PT	XX	XX	- XX
	009 - 9um OS1 / OS 2 062 - 62.5um OM1 050 - 50um OM2 033 - 50um OM3 040 - 50um OM4	SC ST LC FC	EXAMPLES: 1 = 1m 2 = 2m 15 = 15m 99 = 99m

## 8.5 Optical Adaptors

# UC<sup>FIBRE</sup>™ OPTICAL ADAPTORS

### Overview

Draka offers an extensive range of optical adaptors for use in FTTx, telecommunications, data communications and CATV applications. All adaptors are fully qualified to Telcordia GR326 and IEC 61300 and all materials used are RoHS compliant.

Adaptors can be supplied in a variety of colours and for a variety of different connector types such as FC, SC, ST, LC, E2000 etc. Further connector types are also available on request.

### Features

- Qualified to Telcordia GR326 and IEC 61300 standards and RoHS compliant materials.
- Available for many different connector types such as FC, SC, ST, E2000, MTRJ, LC and others on request.
- All adaptors are supplied with ceramic inserts.
- Supplied in a range of different colours to match connector type. (e.g. blue for PC, green for APC, beige for multimode).
- Both simplex and duplex adaptors are available.

### Application

- FTTx
- Telecommunications
- Data communication
- CATV
- Test and measurement



### Technical data

Item No.	Singlemode (1310/1550nm)	Multimode (850nm)
<b>Maximum Insertion Loss (dB)</b>	≤ 0.3 Typical 0.2 (UPC and APC)	≤ 0.4 (UPC)
<b>Return Loss (dB)</b>	≥ 55 (UPC), ≥ 65 (APC)	Not measured
<b>Intermateability</b>	IEC 874-14	IEC 874-14
<b>Operating temperature</b>	-40°C to + 85°C	-40°C to + 85°C

### Ordering Information

UC P/N	Product Description	P.U
D540505	FC Adaptor Simplex, Singlemode	1 pc
D550505	FC Adaptor Simplex, Multimode	1 pc
D520606	SC Adaptor, Simplex, Singlemode	1 pc
D530606	SC Adaptor, Simplex, Multimode	1 pc
D520707	SC Adaptor, Duplex Singlemode	1 pc
D530707	SC Adaptor, Duplex Multimode	1 pc
D540101	ST Adaptor, Simplex, Singlemode	1 pc
D550101	ST Adaptor, Simplex, Multimode	1 pc
D521818	LC Adaptor, Simplex, Singlemode	1 pc
D531818	LC Adaptor, Simplex, Multimode	1 pc
D522020	LC Adaptor, Duplex, Singlemode	1 pc
D532020	LC Adaptor, Duplex, Multimode	1 pc

# UC<sup>CONNECT™</sup> PATCH PANEL LIGHT WEIGHT BK

8.6 Patch Panel

## 1U 24 Port Patch Panel, Drawer

### Features

- Light weight
- Sleek design & feel
- Fluid roller system
- Highly durable
- Abrasion resistance

### Construction

<b>Dust Cover</b>	PVC
<b>Matrix</b>	Aluminum Thickness 1.5mm
<b>Adapter Plate &amp; Panel</b>	Aluminum Thickness 1.5mm
<b>Lock</b>	Stainless panel screw
<b>Adaptor</b>	Duplex LC, SC,ST,FC
<b>Dimension</b>	1U x 482mm x 310mm
<b>Weight</b>	≤ 2.2 kg - Empty
<b>Surface Finish</b>	Special Powder Coating

+ Standard Panel comes in empty, unloaded



### Overview

Most widely used premium panels for datacentre applications. The light weight and unique fluid roller properties enable installation ease and smooth termination.

### Ordering Information

UC P/N	Product Description	P.U
PP9450	UC 1U Patch Panel 9450, Drawer type	1 pc

## 8.6 Patch Panel



### Overview

Most widely used premium panels for datacentre applications. The light weight and easier fixtures enable installation ease and smooth terminations.

## UC<sup>CONNECT™</sup> PATCH PANEL LIGHT WEIGHT BK

### 1U 24 Port Patch Panel, Fixed

#### Features

- Light weight
- Sleek design & feel
- Easy fixtures
- Abrasion resistance

#### Construction

Dust Cover	PVC
Matrix	Aluminum Thickness 1.5mm
Adapter Plate & Panel	Aluminum Thickness 1.5mm
Lock	Screws
Adaptor	Duplex LC, SC,ST,FC
Dimension	1U x 482mm x 310mm
Weight	≤2.1 kg - Empty
Surface Finish	Special Powder Coating

+ Standard Panel comes in empty, unloaded

#### Ordering Information

UC P/N	Product Description	P.U
PP9440	UC 1U Patch Panel 9440, Fixed type	1 pc

# UC<sup>CONNECT</sup>™ PATCH PANEL LIGHT WEIGHT BK

8.5 Patch Panel

1U 72 Port, 3 Modules, Compact Duplex LC, Insertion

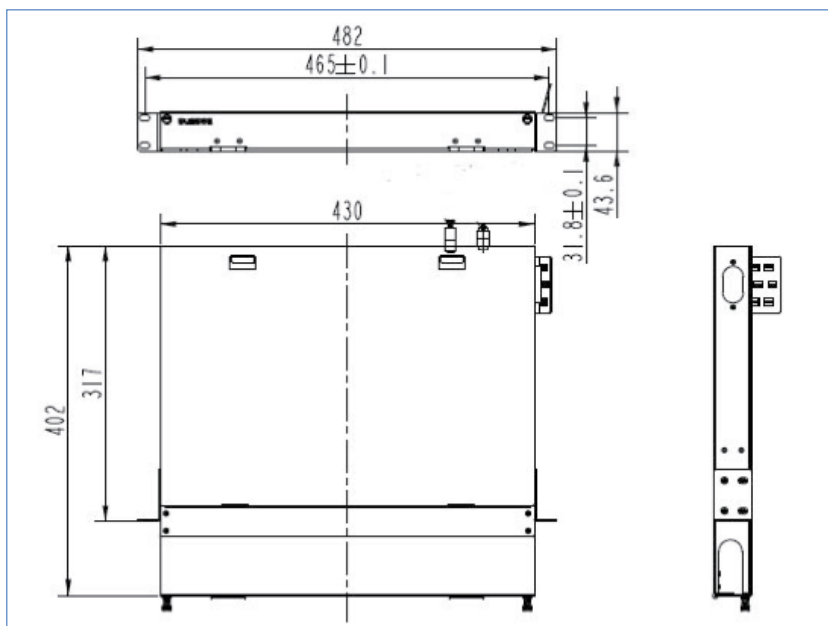
## Features

- Light weight
- Sleek design & feel
- Easy fix-up to 3 modules
- Highly durable
- Abrasion resistance

## Construction

<b>Dust Cover</b>	PVC
<b>Matrix</b>	Aluminum Thickness 1.5mm
<b>Adapter Plate &amp; Panel</b>	Aluminum Thickness 1.5mm
<b>Lock</b>	Stainless panel screw
<b>Adaptor</b>	MTP® (rear), Duplex LC (Front) <- When loaded
<b>Dimension</b>	43.6mm x 482mm x 410mm
<b>Weight</b>	≤ 3.5 kg - Empty
<b>Surface Finish</b>	Special Powder Coating

+ Standard Panel comes in empty, unloaded



## Overview

- MTP® is a registered MPO connector, Trademark of USCONEC
- Fibre integrated technology for compact storage. Extremely convenient installations using unique modular design.

## Ordering Information

UC P/N	Product Description	P.U
PP9401	UC 1U Distribution Modular Panel, 3 Slot, Empty	1 pc
20K9501	Fixed-Module, MTP®/LC, 12F, 9/125um	2 pc/box
20K9502	Fixed-Module, MTP®/LC, 24F, 9/125um	2 pc/box
20K9503	Fixed-Module, MTP®/LC, 12F, 62.5/125um	2 pc/box
20K9504	Fixed-Module, MTP®/LC, 24F, 62.5/125um	2 pc/box
20K9505	Fixed-Module, MTP®/LC, 12F, 50/125um	2 pc/box
20K9506	Fixed-Module, MTP®/LC, 24F, 50/125um	2 pc/box
20K9509	Fixed-Module, MTP®/LC, 12F, 50/125um, OM3, LZ300	2 pc/box
20K9510	Fixed-Module, MTP®/LC, 24F, 50/125um, OM3, LZ300	2 pc/box



## 8.5 Patch Panel



### Overview

The light weight and easier fixtures enable installation ease and smooth terminations.

Able to accomodate up to 48 ports LC & SC.

## UC<sup>CONNECT™</sup> PATCH PANEL LIGHT WEIGHT BK

2U, 48 Port Patch Panel, Fixed

### Features

- Light weight
- Sleek design & feel
- Easy fixture
- Abrasion resistance

### Construction

Dust Cover	PVC
Matrix	Aluminum Thickness 1.5mm
Adapter Plate & Panel	Aluminum Thickness 1.5mm
Lock	Latch Lock
Adaptor	Duplex LC, SC,ST,FC
Dimension	2U x 482mm x 405mm
Weight	≤ 4.8 kg - Empty
Surface Finish	Special Powder Coating

+ Standard Panel comes in empty, unloaded

### Ordering Information

UC P/N	Product Description	P.U
PP9441	UC 2U Patch Panel 9441, Fixed type	1 pc

# UC<sup>CONNECT™</sup> High Density Modular Panel

## 4U 288 Port LC Duplex Patch Panel, Insertion

8.5 Patch Panel



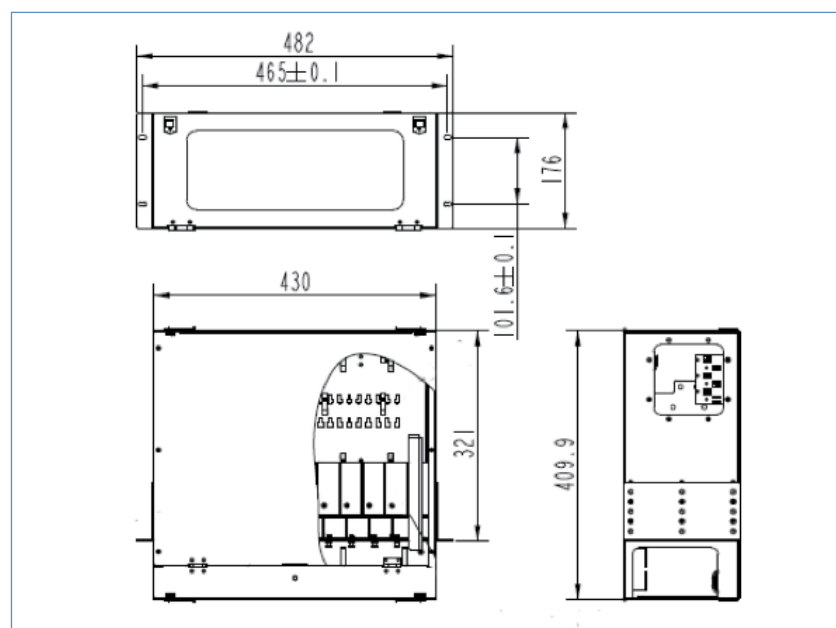
### Features

- Light weight
- Sleek design & feel
- Highly durable
- Abrasion resistance
- Compact & High Density

### Construction

Dust Cover	PVC
Matrix	Aluminum Thickness 1.5mm
Panel	Aluminum
Lock	Latch Lock
Adaptor	MTP® (rear), Duplex LC (front)
Dimension	4U x 482mm x 410mm
Weight	≤4.8 kg - Empty
Surface Finish	Special Powder Coating

+ Standard Panel comes in empty, unloaded



### Overview

- MTP® is a registered MPO connector, Trademark of USCONEC
- Fibre Integrated Solutions provide high density optical cabling terminations, and easy installation design for fingers access, without the use of additional tools.

### Ordering Information

UC P/N	Product Description	P.U
PP9400	UC 4U Distribution Modular Box,12 Slot,Empty	1 pc
20K9501	Fixed-Module,MTP®/LC,12F,9/125um	2 pc/box
20K9502	Fixed-Module,MTP®/LC,24F,9/125um	2 pc/box
20K9503	Fixed-Module,MTP®/LC,12F,62.5/125um	2 pc/box
20K9504	Fixed-Module,MTP®/LC,24F,62.5/125um	2 pc/box
20K9505	Fixed-Module,MTP®/LC,12F,50/125um	2 pc/box
20K9506	Fixed-Module,MTP®/LC,24F,50/125um	2 pc/box
20K9509	Fixed-Module,MTP®/LC,12F,50/125um,OM3,LZ300	2 pc/box
20K9510	Fixed-Module,MTP®/LC,24F,50/125um,OM3,LZ300	2 pc/box

## 8.5 Patch Panel



### Overview

- MTP® is a registered MPO connector, Trademark of US CONEC
- Designed with the installers' mind for easy and compact patching, ideal fit for our patch panels series.
- These MTP® modules are equipped with Draka's unique bend insensitive BendbrightXS fibres.

## UC<sup>CONNECT</sup>™ MTP® Module

### 24 Port Duplex LC, Fibre Integrated Solution

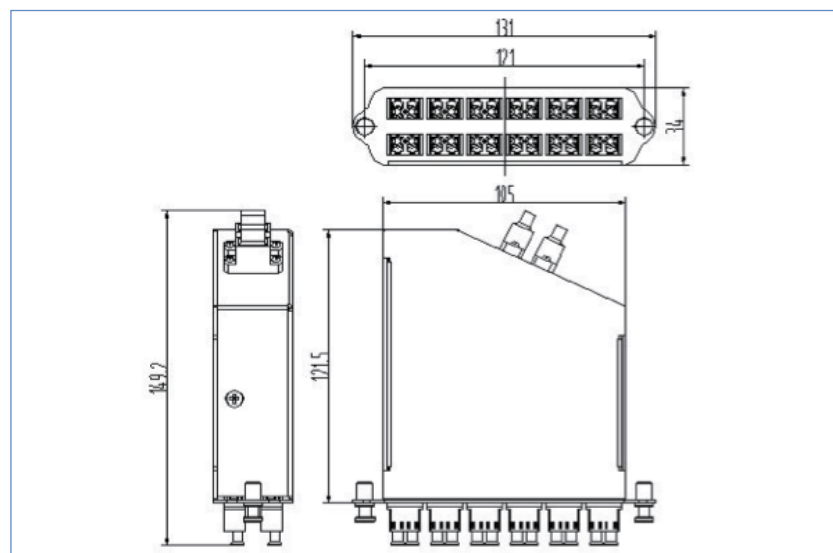
#### Features

- Light weight
- Sleek, easy to fit
- Low loss MTP® connectors
- Bend insensitive BendbrightXS fibres

#### Construction

<b>Matrix</b>	Aluminum Thickness 1.5mm
<b>Dimension</b>	34mm x 131mm x 121mm
<b>Adaptor</b>	MTP® (Rear Side), Duplex LC (Front Side)
<b>Weight</b>	≤150g
<b>Surface Finish</b>	Black

+ Standard Panel comes in empty, unloaded



### Ordering Information

UC P/N	Product Description	P.U
20K9501	Fixed-Module,MTP®/LC,12F,9/125um	2 pc/box
20K9502	Fixed-Module,MTP®/LC,24F,9/125um	2 pc/box
20K9503	Fixed-Module,MTP®/LC,12F,62.5/125um	2 pc/box
20K9504	Fixed-Module,MTP®/LC,24F,62.5/125um	2 pc/box
20K9505	Fixed-Module,MTP®/LC,12F,50/125um	2 pc/box
20K9506	Fixed-Module,MTP®/LC,24F,50/125um	2 pc/box
20K9509	Fixed-Module,MTP®/LC,12F,50/125um,OM3,LZ300	2 pc/box
20K9510	Fixed-Module,MTP®/LC,24F,50/125um,OM3,LZ300	2 pc/box
20K9521	Fixed-Module,MTP®/ST,12F,9/125um	2 pc/box
20K9522	Fixed-Module,MTP®/ST,12F,62.5/125um	2 pc/box
20K9523	Fixed-Module,MTP®/ST,12F,50/125um	2 pc/box
20K9525	Fixed-Module,MTP®/ST,12F,50/125um,OM3,LZ300	2 pc/box
20K9531	Fixed-Module,MTP®/SC,12F,9/125um	2 pc/box
20K9532	Fixed-Module,MTP®/SC,12F,62.5/125um	2 pc/box
20K9533	Fixed-Module,MTP®/SC,12F,50/125um	2 pc/box
20K9535	Fixed-Module,MTP®/SC,12F,50/125um,OM3,LZ300	2 pc/box
20K9581	Fixed-Module,MTP®/FC,12F,9/125um	2 pc/box
20K9582	Fixed-Module,MTP®/FC,12F,62.5/125um	2 pc/box
20K9583	Fixed-Module,MTP®/FC,12F,50/125um	2 pc/box
20K9585	Fixed-Module,MTP®/FC,12F,50/125um,OM3,LZ300	2 pc/box

# UC<sup>CONNECT</sup>™ Compact Fibre Splice Tray

12-24 Fibre stackable

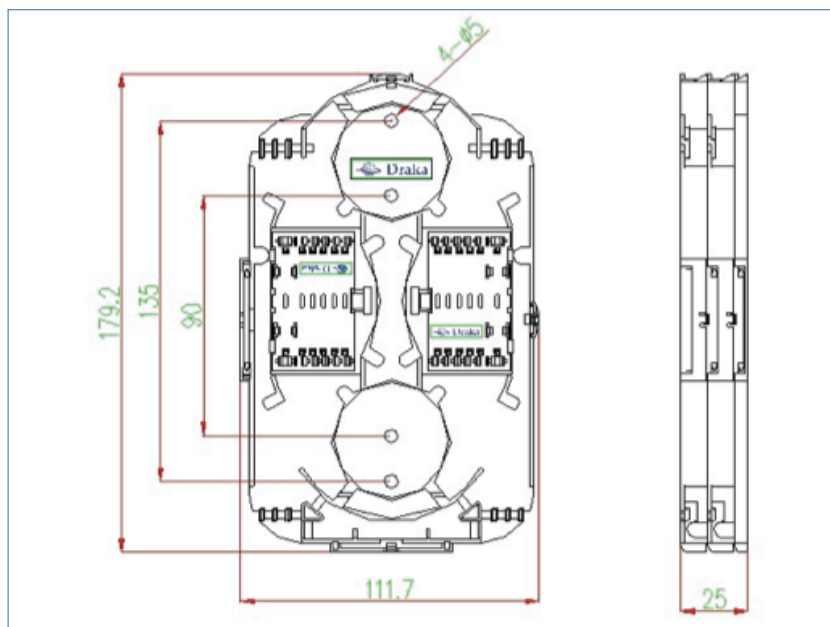
## Features

- Light weight
- Highly durable
- Stackable for compactness

## Construction

<b>Dust Cover</b>	Plastic
<b>Dimension</b>	180mm X 112mm X 25mm
<b>Weight</b>	≤ 80 grams
<b>Surface Finish</b>	Black

+ Standard Panel comes in empty, unloaded



## Overview

Fibre Integrated Solutions provide high density optical cabling terminations, and easy installation design for fingers access, without the use of additional tools.

## Ordering Information

UC P/N	Product Description	P.U
UCST1224	12-24 Fibers stackable Splice Tray	1 pc

# Services and related documents

Certified engineers enjoy full vendor support before, during and after completion of their projects.

## Before

Already before your project commences – we are there to train you on all features of Draka UC cabling system. If you are an experienced professional or still improving your engineering skills – it offers you the right mix of theory and practice to get you going better. Take advantage of a world leading manufacturer's resources.

## During

If your project is fully running and you face an issue – trust in our experienced in-field support. You will not be alone if there are questions about testing, standards or installation practices. If there is uncertainty about your specification, we are there to give you support.

## After

Needless to say – the 3rd party approved Draka solutions are entirely covered by an end-to-end system warranty. Please contact our local offices to enquire about the Draka UC Structure Cabling System Warranty Program.



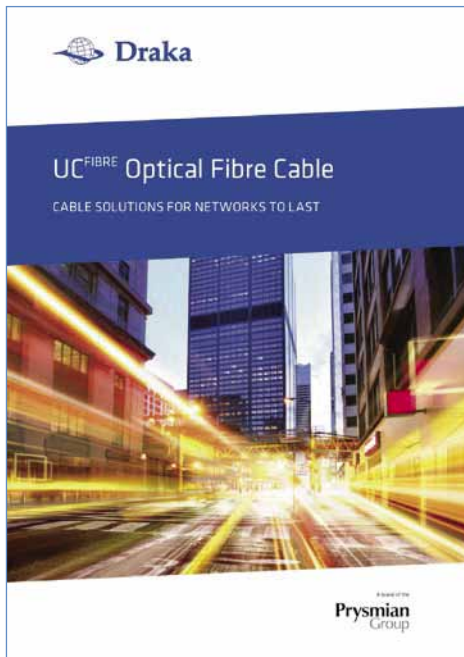
Multimedia Specials



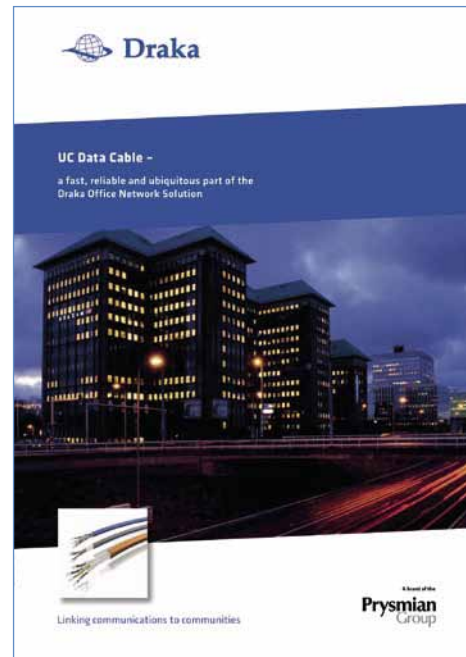
Draka UC Structure Cabling Warranty



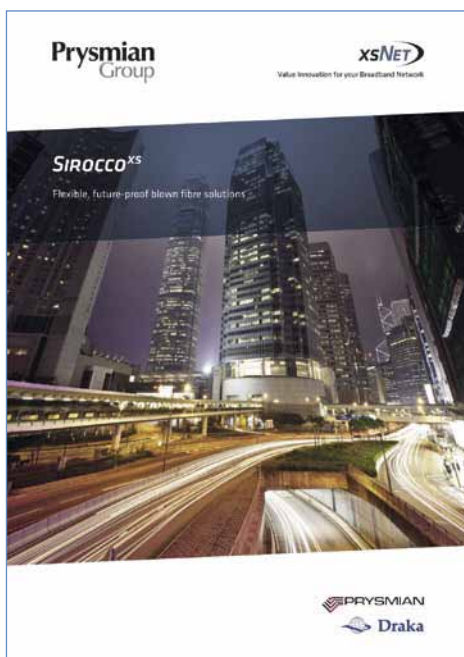
UCCONNECT™ 3<sup>rd</sup> party approvals



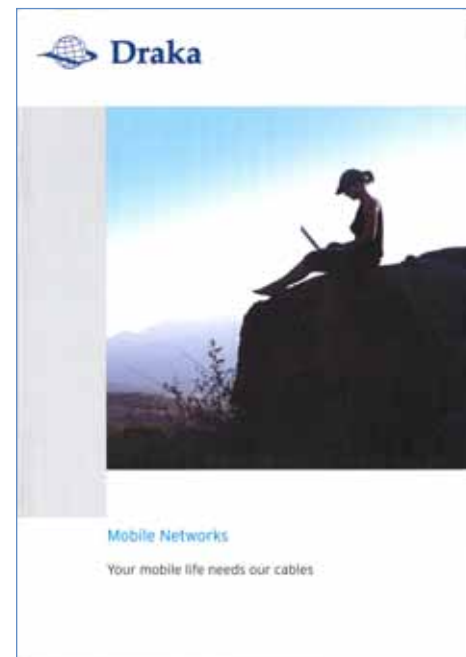
UC FIBRE™ Optical Fibre Cable



UC Data™ Cable



Sirocco Blown Fibre System



Mobile Networks

We make communication technology work,  
by serving you in every way to realize your  
leading edge network solution

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