

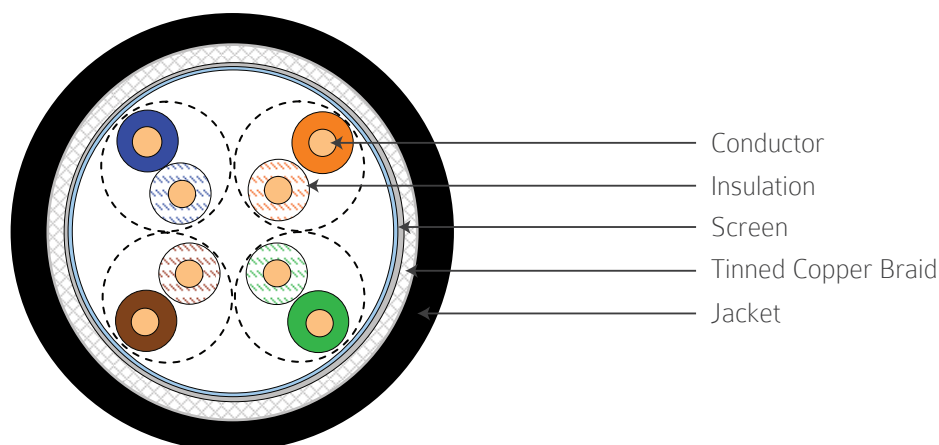


Category Cable

OD524SL SF/UTP CAT5E
LSZH, HFFR

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Cross Section



Description

SF/UTP CAT5E cable for indoor and outdoor applications.

Low smoke zero halogen

Application

- Fast Ethernet
- Data transmission
- Power Over Ethernet

Reference

IEC61156-5 IEC60332-1
IEC60754 FF

Temperature Characteristics

Parameter	Unit	Value
During installation	°C	-20 to +50
Working (fixed installation) and storage	°C	-40 to +75

Mechanical Characteristics

Parameter	Unit	Value
Minimum static bending radius	mm	30
Minimum dynamic bending radius	mm	60
Nominal weight	Kg/km	55

Jacket Characteristics

Parameter	Applicable standard
Sheath material	NF C 32062-2
UV Resistant	NF C 32062-2 UV resistance testing
Raw material testing	IEC 60 811
UV / humidity resistance testing & Weather-O-Meter in atmospheric humidity testing	NF C 20540
Indoor cables	ETS300 019-1-3 class 3.2
UV and humidity resistance testing for outdoor cables	ETS300 019-1-4 class 4.1E

Construction

Conductor	Solid Bare Copper
AWG	24
Diameter (± 0.0005mm)	0.5
Insulation	HDPE
Insulation Diameter	0.9 max.
Screen	Alu/Pet foil
	17 x 0.045
Braid	Tinned Copper
Coverage	80%
Jacket	0HAL (LSZH, HFFR)
Color	Black
Diameter (± 0.2mm)	6.4 x 0.7

Electrical Characteristics at 20°C

Parameter	Unit	Value
Conductor DC resistance	Ohm/km	< 95
Overall screen DC resistance	Ohm/km	< 95

Parameter

Dielectric strength (1min): 1500V_{DC}
Dielectric strength (3sec): 5000V_{DC}
Insulation resistance > 5000 MOhms.km
According to Standard CAT5e - IEC 61156-5 Ed.2