



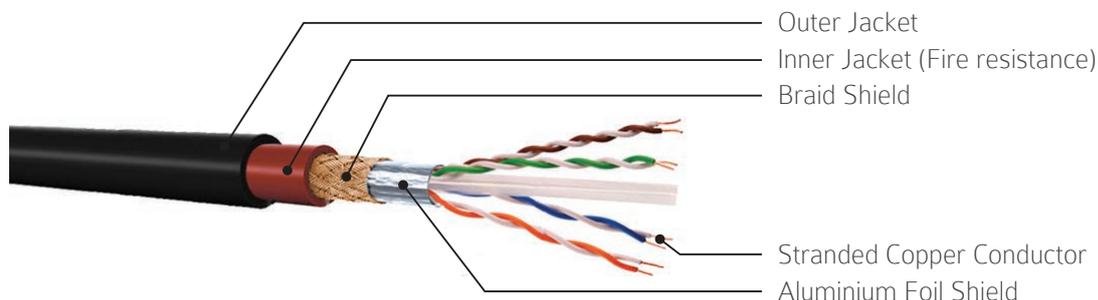
NETWORK CONNECTIVITY

Category Cable

OD6123L 23AWG CAT6 Elevator Cable

OD6123L CAT6 Fire Resistance Elevator FTP Cable

Cross Section



Description

OD6123L 23AWG CAT6 FTP

- 23AWG stranded copper conductor (10/0.18)
- Bare copper braid shield, 85% coverage
- Aluminium foil 100% coverage
- Double PVC jacket
- Fire resistance jacket (brown color)

Construction

Conductor	Stranded Copper
AWG	23
Conductor Dia. ($\pm 0.003\text{mm}$)	0.18
Stranding	10/0.18
Insulation	HDPE 1.02
Insulation Diameter ($\pm 0.5\text{mm}$)	0.186
Outer Shield	Bare Copper
Braid	24/7/0.12
Coverage	85%
	Tape Aluminium Foil
Coverage	100%
Outer Jacket	PVC
Diameter ($\pm 0.02\text{mm}$)	$\varnothing 8.0$
Thickness (mm)	0.8
Color	Black
Inner Jacket	Fire Resistance PVC
Diameter ($\pm 0.02\text{mm}$)	$\varnothing 6.3$
Thickness (mm)	0.5
Color	Brown
Fire Resistance Temperature	70°C
Pair	4 (8 cores)

Mechanical Characteristics

Bending Radius	With load	8 x D
	Without load	4 x D
Temperature	During operation	-40°C to +85°C
	During installation	-15°C to +50°C
Fire Load	4 pair	(on request) Mj/km
Maximum Tensile Load	During operation	No load
	During installation	100N

Electrical Properties at 20°C

DC loop resistance	-	$\leq 138\Omega/\text{km}$
Resistance unbalance	-	$\leq 2\%$
Insulation resistance	(500V)	$\geq 5000\text{M}\Omega/\text{km}$
Capacitance	at 800Hz	Nom. 43nF/km
Capacitance unbalance	(pair to ground)	$\leq 5000\text{pF}/\text{km}$
Mean Characteristic	@100Mhz	$100\pm 5\Omega$
Nom. Velocity of Pro.	-	0.76c
Propagation Delay	-	$\leq 450\text{ns}/100\text{m}$
Delay Skew	-	$\leq 15\text{ns}/100\text{m}$
Transfer Impedance	at 1 MHz	$\leq 10\text{m}\Omega/\text{m}$
	at 10 MHz	$\leq 8\text{m}\Omega/\text{m}$
	at 30MHz	$\leq 10\text{m}\Omega/\text{m}$
Coupling Attenuation	-	$\geq 85\text{dB}$