



Connectorized Cable

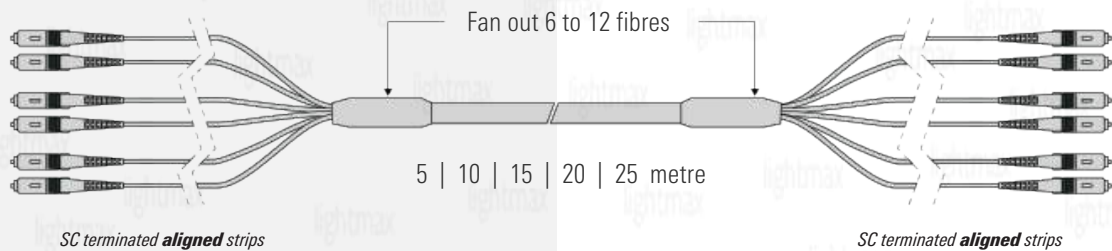
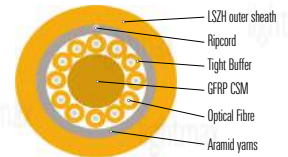
Indoor | Several termination configurations

OM3 | G.652.D - 6 | 12 | 24 Fibres

LightMax[®] connectorised cables are terminated with 2 or 0.9 mm diameter cable ends and protection. Suitable for indoor installation and operation, they contain a LSZH outer sheath. There's also tight buffered fibres around a GFRP central strength member. These cables can be available in various termination configurations and fibre types.



[Pictures only for reference purposes]



Example drawing with SC termination, but other types of connectors are available.

Features:

- LSZH outer jacket
- Tight Buffered fibres
- Aramid yarn as strength member
- Expandable mesh on both ends for connectors protection
- LC, SC, FC, ST connectors availability

G.652.D FIBRE SPECIFICATIONS

Fibre type		Single mode	
Diametre		µm	9
DCM	@1310 nm	µm	9.2 ±0.4
	@1550 nm	µm	10.4 ±0.5
Attenuation	@1310 nm	dB/km	≤ 0.35
	@1383 nm		≤ 0.35
	@1550 nm		≤ 0.20
	@1625 nm		≤ 0.24
Chromatic Dispersion	@1285nm ~ 1340nm	ps / (nm².km)	-3.0 ~ 3.0
	@1550nm		≤18
	@1625nm		≤22
Zero dispersion wavelength		nm	1302 ~ 1322
Zero dispersion slope		ps/(nm².km)	≤0.092
Cut-off wavelength λ _{cc}		nm	≤1260
Cladding diameter		µm	124.8±0.7
Non-circularity of cladding		%	≤0.7
Core/cladding concentricity error		µm	≤0.5
Coating diameter (uncoloured)		µm	245±10
Standard			
ITU-T			G.652.D



MULTIMODE OM3 [50µm] FIBRE SPECIFICATIONS

Fibre type		OM3
Attenuation	@850 nm	≤ 3.0 dB/km
	@1300 nm	≤ 1.0 dB/km
Bandwidth (Overfilled)	@850 nm	≥ 1500 MHz.km
	@1300 nm	≥ 500 MHz.km
Bandwidth (EMB)	@850 nm	≥ 2000 MHz.km
	@1300 nm	–
Cladding diameter		124.5 ±1 µm
Core diameter		50 ±2.5 µm
Non-circularity of cladding		≤ 2.0 %
Non-circularity of the core		≤ 6.0 %
Core/cladding concentricity error		≤ 1.5 µm
Fibre diameter with colourless coating		245 ±10 µm
Cladding/coating concentricity error		≤ 12.5 µm
Macro curvature Loss	100 turns, 37.5mm radio @850 nm	≤ 0.5 dB
	100 turns, 37.5mm radio @1300 nm	≤ 0.5 dB
Standards		ISO/IEC 11801 IEC 60793-2-10

CABLE SPECIFICATIONS

Cable type	Dielectric Multifibre			
Fibre count		6	12	24
Sheath material	–	LSZH		
Sheath colour	–	SM - Yellow		OM3 - Aqua
Sub-unit diameter	mm	1.6 ~ 3		
Strength elements		Aramid yarns		
Temperature	°C	-20 ~ 70		
Installation environment		Indoor		

STANDARDS COMPLIANCE

	Connector	Standard
	SC LC	IEC61754-4 IEC61754-20
Cable assembly termination	FC	IEC61754-13
	ST	IEC61754-2

Availability

Multimode - OM3

LC/PC - LC/PC | SC/PC - SC/PC

Single Mode - G.652.D

LC/UPC - LC/UPC | SC/UPC - SC/UPC