






TECHNICAL SPECIFICATIONS FOR CONNECTORS

Connector type	Standards	Mounting system	Body colour	Sleeve colour	Ferula
LC 	IEC 61754-20	Push-Pull	SM APC: green SM UPC: blue MM PC: beige	SM APC: green SM UPC: blue MM PC: beige	Zirconia ZrO ₂
SC 	IEC 61754-4	Push-Pull	SM APC: green SM UPC: blue MM PC: beige	SM APC: green SM UPC: blue MM PC: beige	Zirconia ZrO ₂
ST 	IEC 61754-2	Bayonet	Al/Zn metal body	black	Zirconia ZrO ₂
FC 	UPC: IEC 61754.13 APC: IEC 61754.20	Screws	Al/Zn metal body	black	Zirconia ZrO ₂
E2000 	IEC 61753-1-1	Push-Pull	SM APC: green	SM APC: green	Zirconia ZrO ₂

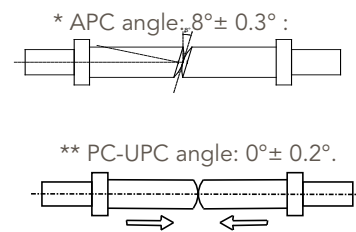
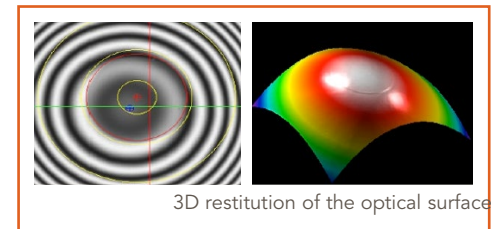
OPTICAL PERFORMANCE

➤ Fibre optics :

SM: G652D & G657A2 fibre compliant respectively with ITU-T G652 and ITU-T G657.A2 specifications according to IEC 60793-2-50 Type B.1.3 and IEC 60793-2-50 type B .6

MM: OM3 & OM4 fibre compliant with ISO/IEC 11801 OM3/OM4 specifications and IEC 60793-2-10 type A1a.2 standard

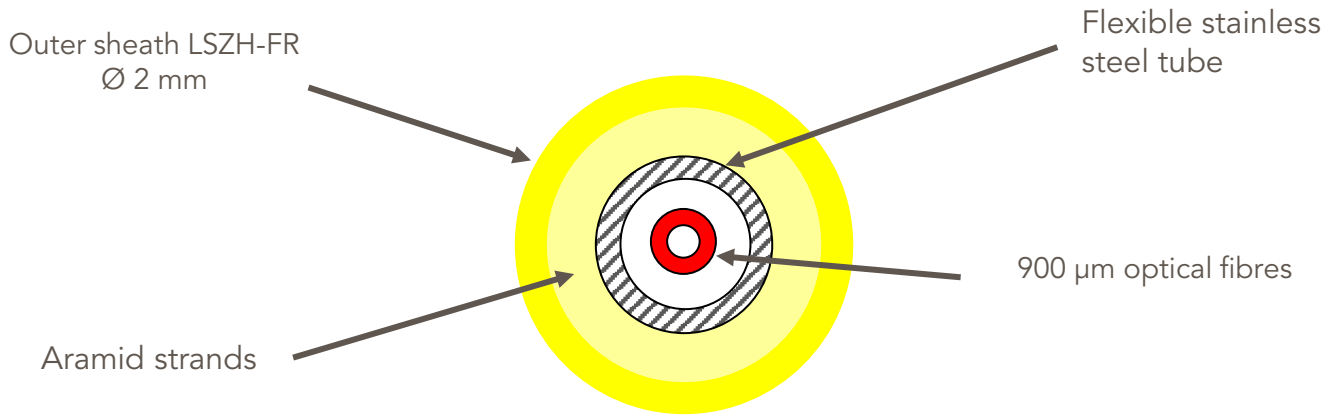
Type of FO		SM		MM
Polishing		UPC	APC	PC
Attenuation value (IEC 61300-3-34)	IL Max for 97% of connections	≤ 0.25 dB		≤ 0.60 dB
	IL Medium	≤ 0.12 dB		≤ 0.30 dB
Reflectance value (IEC 61300-3-6)	RL	≥ 50dB	≥ 60dB	≥ 40 dB



Non contractual pictures

Performance level of Class B connectors in accordance with IEC 61753-1 Ed2

• **CONSTRUCTION OF THE SIMPLEX CABLE**



		Outer sheath	900µm fibre
Diameter		2.5 ± 0.1mm	0.9 ± 0.03mm
Material		LSZH-EN	LSZH
Colour	Single mode	G657A2 & G652D = Yellow	Coloured
	Multimode	OM3 = Turquoise OM4 = Magenta	

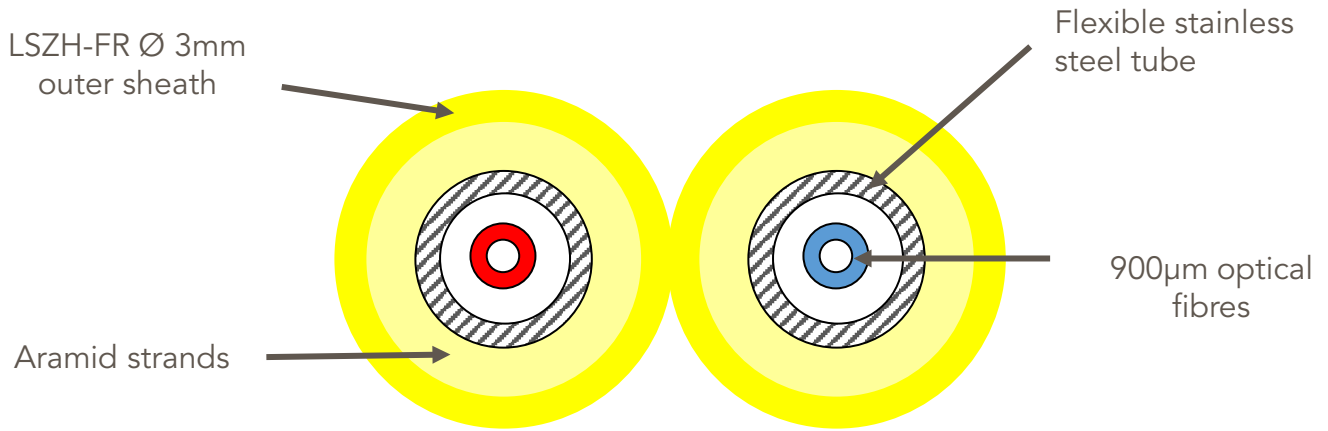
CABLE CHARACTERISTICS

	Values	Standards
Tensile strength	Long term: 80 N Short term: 150 N	IEC 60794-1-2-E1
Crushing	2000 N/10cm	IEC 60794-1-2-E3
Fire resistance	LSZH-EN	IEC 60332-2-2
Climatic characteristics		
Temperature variation	-10°C to +70°C	IEC 61300-2-22

Cable marking: ARMORED CABLE - FOLAN - FF - DD - wwW/YY BCFNNNNNNNNNNNN

- FF: Type of fibre
- DD: Cable diameter
- ww/YY: Week and year of manufacture
- NNNNNNNNNN: Traceability number

• ZIP CABLE CONSTRUCTION



		Outer sheath	900µm fibre
Diameter		5.8 ± 0.2 x 2.9 ± 0.1mm	0.9 ± 0.03mm
Material		LSZH-EN	LSZH
Colour	Single mode	G657A2 & G652D = Yellow	Coloured
	Multimode	OM3 = Turquoise OM4 = Magenta	

CABLE CHARACTERISTICS

	Values	Standards
Tensile strength	Long term: 80 N Short term: 150 N	IEC 60794-1-2-E1
Crushing	2000 N/10cm	IEC 60794-1-2-E3
Fire resistance	LSZH-EN	IEC 60332-2-2
Climatic characteristics		
Temperature variation	-10°C to +70°C	IEC 61300-2-22


Cable marking: ARMORED CABLE - FOLAN - FF - DD - wwW/YY BCFNNNNNNNNNNNN

- FF: Fibre type
- DD: Cable diameter
- ww/YY: Week and year of manufacture
- NNNNNNNNNN: Traceability number

TECHNICAL SPECIFICATIONS OF THE PATCHCORD

- Category C connectors^{hd} - Controlled indoor environment (in accordance with NF EN 61753-1 Ed2)

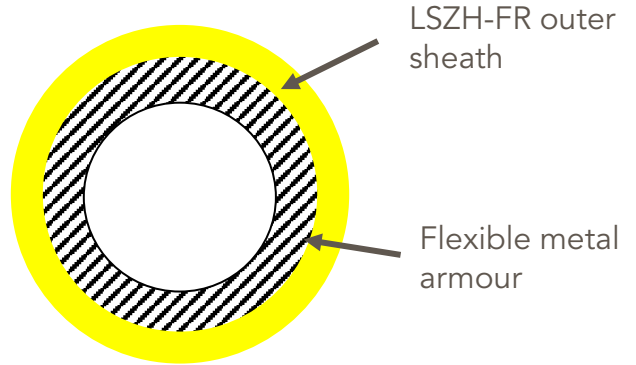
	Values	Standards
Tensile strength	50 N	IEC 61300-2-4
Twist	10 N	IEC 61300-2-5
Coupling mechanism force	40 N	IEC 61300-2-6
Mechanical endurance	200 cycles	IEC 61300-2-2
Climatic characteristics		
Temperature variation	-10°C to +70°C	IEC 61300-2-22
Cold	-10°C	IEC 61300-2-17
Dry heat	+70°C	IEC 61300-2-18
Moist heat	+40°C, RH 93%, 96H	IEC 61300-2-19

Fibre identification	 <p>Numbered identification rings on each side</p>
Standard lengths	<p>1 to 5m (-0 / +10cm) Unzipped length: 20cm</p>
Packaging	<ul style="list-style-type: none"> • By the unit • Transparent bag • 2-wavelength measurement plug (850 or 1300 nm multimode/1310 and 1550 nm single-mode)

• **SHEATH FOR SHIELDED CABLE/PIGTAIL**

To create an armoured patchcord/pigtail that is even stronger than an armoured patchcord, an additional sheath is added to the cord and held in place with a heat-shrink sleeve at each end.

	Outer sheath	Metal armour
Diameter	10.6 ± 0.2 mm	7.6 mm ± 0.2 Thickness: 0.4 mm
Material	LSZH-EN	Stainless steel
Colour	Single mode = Yellow Multimode ▪ OM3 = Turquoise ▪ OM4 = Magenta	Grey



MECHANICAL SPECIFICATIONS OF THE ARMOURED SHEATH

	Values	Standards
Mechanical characteristics		
Tensile strength	Long term: 80 N Short term: 150 N	IEC 60794-1-2-E1
Crushing	3000 N/10cm	IEC 60794-1-2-E3
Fire resistance	LSZH-EN	IEC 60332-2-2
Climatic characteristics		
Temperature variation	-10°C to +70°C	IEC 61300-2-22

CHARACTERISTICS OF THE SHIELDED PATCHCORD

	Values	Standards
Mechanical characteristics		
Tensile strength	50 N	IEC 61300-2-4
Twist	10 N	IEC 61300-2-5
Coupling mechanism force	40 N	IEC 61300-2-6
Mechanical endurance	200 cycles	IEC 61300-2-2
Climatic characteristics		
Temperature variation	-10°C to +70°C	IEC 61300-2-22
Cold	-10°C	IEC 61300-2-17
Dry heat	+70°C	IEC 61300-2-18
Moist heat	+40°C, RH 93%, 96H	IEC 61300-2-19

• PACKAGING

FOLAN armoured patchcords are supplied in transparent plastic bags measuring 175mm x 200 mm, including an identification label with a bar code for product traceability.



The packaging will bear a label with the following information:

- Supplier's name: FOLAN
- The FOLAN product reference
- Designation with the type of fibre
- The traceability number (order and batch number)
- The week and year of manufacture
- Compliance with the required grade (Grade B for single-mode - Grade Bm for multi-mode)