



Fiber Optics

Fiber Optic Patch Cords

Product Information

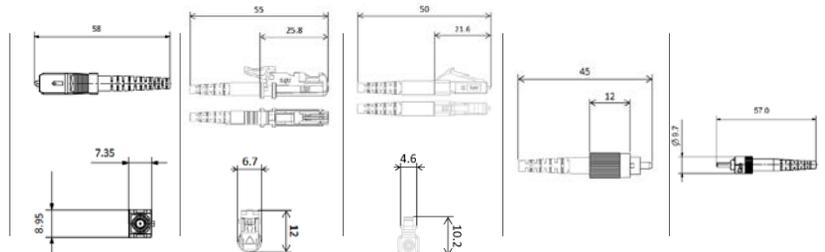
You customize it,
we produce it!

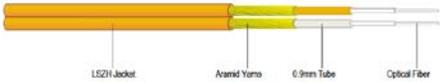


- ✓ Patch cords with all variants of connectors: SC, LC, LSH (E2000), FC and ST
- ✓ Fiber types: G652D, G657A1 / A2, OM1, OM3, OM4
- ✓ Premium connectors of quality class Grade B
- ✓ Duplex and Simplex cable types, with easy strip buffer fibers and aramid yarns as strain relief
- ✓ Duplex cables may be produced with or without duplex clip
- ✓ Available in lengths between 0,5 to 50m in any cable type
- ✓ Low smoke, Zero Halogen, flame retardant cables jackets
- ✓ Singlemode and Multimode patch cords are tested by 100% in Insertion loss and Return loss.
- ✓ An interferometer measurement can be done in additional.
- ✓ The labeling can be customized according to customer special needs

	SC	LSH	LC	FC	ST	
Connectors						
Compliance	IEC 61754-4, TIA 604-3, RoHS					
Alignment technology	full ceramic ferrule (Zirconia ZrO2)					
Ferrule Diameter	2,5mm	2,5mm	1,25mm	2,5mm	2,5mm	
Operating Temperature	-40°C to +85°C					
Flammability	UL94 V-0					
Durability	IEC 61300-2-2, > 1000 mating cycles					
Fiber cable retention	IEC 61300-2-4; 100N on 2.0mm cables					
Static side load	IEC 61300-2-42; 5N on 2.0mm cables					
Flexing of strain relief	IEC 61300-2-44, 5N on 100 bending cycles					
Insertion loss, fiber core tunability	IEC 61755-3-1 / IEC 61755-3-2, Grade B, 0.25dB on 97% PREMIUM Version: 0.15dB on 97%					
Return loss	APC > 65dB, UPC > 50dB, MM > 35dB					
Housing	Plastic			Brass, nickel plated		
Housing color	SM APC 8°	Green			-	-
	SM UPC	Blue			-	-
	MM	Grey, aqua, magenta	Black, beige	Black, beige	-	-

Technical drawing



Cables	Singlemode			Multimode		
	G.652D/G 657A1	G.657A2	OM1	OM2	OM3	OM4
Simplex patch cord	✓	✓	✓	✓	✓	✓
	Easy Strip / 0,87 ± 0,05 mm / color: 1x same as jacket					
Outer diameter	2,0 ± 0,1 mm					
Cable weight	3,7 kg/km					
Duplex zipcord patch cord	✓	✓	✓	✓	✓	✓
	Easy Strip / 0,87 ± 0,05 mm / color: 1x same as jacket/1x natural white					
Outer diameter	2,0 x 4,1 ± 0,1 mm					
Cable weight	8,2 kg/km					
Jacket color	yellow	yellow	orange	orange	aqua	violet
Temperature range	IEC 60794-2-10			-20° to 70° C		
Tensile load	IEC 60794-1-2-E1		200 N for Simplex / 400 N for Duplex			
Crush resistance	IEC 60794-1-2-E3		500 N for Simplex / 1000 N for Duplex			
Materials	2011/65/EU (RoHS 2) compliant					
Fire Behaviour	Zero Halogens / Corrosive gases according to IEC 60754-1/-2 Flame retardant according to IEC 60332-1 / IEC 60332-3-24 Smoke emission according to IEC 61034-1/-2					
CPR Classification	EN 50575 / EN 13501-6:2014			Dca-s1-d0-a1		
Fiber Optics	G.652D/ G657A1	G.657A2	OM1	OM2	OM3	OM4
Fiber attenuation (dB/km)	@850nm		≤4		≤2,4	
	@1300		≤2		≤0,6	
	@1310	≤0,30				
	@1550	≤0,17				
	@1625	≤0,20				
Fiber Structure (µm)	9/125		62,5/125		50/125	

Additional Information:

The production of Yelcofiberoptics will be done according to your specifications. The resulting product cannot be either returned or replaced.

The possible combinations to produce are available on the configurator at Yelcofiberoptics.tech.

If you have specific needs that cannot be set with the configurator, contact us directly through the Contacts sections on Yelcofiberoptics.tech.

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