

LSH Patchcord

Description:

The LSH connector patchcords are offered for MM or SM applications with PC and APC polishing method. LSH integrated protective cap made from zinc alloy protects ferrule from dust and rules out any laser light emissions. The LSH connector is compatible with E2000™ connector standards. High power version available.



LSH (E2000) connector

Features:

- Integrated protective cap protects ferrule from dust
- Integrated spring for a guaranteed closing of the protective cap
- Single mode and multimode versions available, PC and APC polishing
- Full ceramic ferrule
- Adjustable in 60° steps
- Excellent for high packing density
- Compatible with E2000™ standard

Specifications:

Insertion loss (IL) (IEC 61300-3-4)	SM Ultra PC Grade B	SM Ultra PC Grade A	SM Angle PC Grade C	SM Angle PC Grade B	SM Angle PC Grade A	SM Angle PC Grade A+
	0.12 dB typ 0.25 dB 97%	0.06 dB typ 0.15 dB 97%	0.25 dB typ 0.50 dB 97%	0.15 dB typ 0.25 dB 97%	0.06 dB typ 0.15 dB 97%	0.10 dB max
Return loss (RL) (IEC 61300-3-6)	>50 dB	>55 dB	>60 dB	>65 dB	>65 dB	>85 dB ¹
Tensile strength ²	100 N					
Operating temperature	-25°C to +70°C, conditioned by type of cable					
Durability	min 500 cycles					
Assembly procedure	glue and polish					
Connection	physical contact					
Input power	Standard 0.5 W, High power connector up to 4.5 W ⁴					
Lock mechanism	snap-on					
Standards	IEC 61753, IEC 61754-15, EN 50377-8					
Ferrule material	full ceramic zirconia					
Connector body material	PBT					
Adapter material	PBT, housing, slotted ceramic sleeve					

Note: 1) RL >85 dB measured with low coherence reflectometry (IEC 61300-3-6 method 3 OLCR), RL valid for patchcord length ≤ 1.5 m
 2) Conditioned by the type of cable
 3) MM: IL=0.15 dB typ, RL>30 dB
 4) Grade A+ connector, 2 W long term operation at 1550 nm, increasing on 4.5 W during 170 hrs, connectors inspected and perfectly cleaned, with corresponding MFD and polishing angle

Application:

- Telecom
- LAN, WAN
- CATV
- Sensor Systems
- Measuring Technique
- Utilities, Railways

Ordering code:

AAA		-	XX XXX	-	X	-	(XX) ¹	-	XXX/(XX) ²
AAA – Connector							XX - color		XXX - length [m]
Type	Description								
	Multimode								
PE2	LSH (E2000)/PC								
	Single mode								
UE2	LSH (E2000)/UPC, Grade B								
UE2A	LSH (E2000)/UPC, Grade A ⁵								
NE2	LSH (E2000)/APC, Grade C								
NE2B	LSH (E2000)/APC, Grade B								
NE2A	LSH (E2000)/APC, Grade A ⁵								
NE2A1	LSH (E2000)/APC, Grade A+ ⁵								
		XX⁶ - diameter of cable, fiber			XXX - type of fiber				
		09	fiber Ø 0.9 mm		OM1	MM 62.5/125 µm			
		20	cable Ø 2.0 mm		OM2-5	MM 50/125 µm			
		28	cable Ø 2.8 mm		S2D	SM 9/125 µm (G.652D)			
		D3	duplex zipcord 2.0 x 4.2 mm		S5X^{3,4}	SM 9/125 µm (G.655X)			
		D8	duplex zipcord 2.8 x 5.5 mm		S6	SM 9/125 µm (G.656)			
					S7X³	SM 9/125 µm (G.657X)			
					D/A1	G.652D & G.657A1			

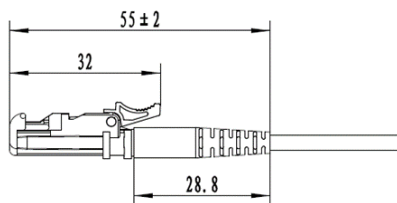
1) Fiber – cable Color code:

BK	BN	RD	OG	YE	GN	BU	VT	GY	WH	PK	TQ
Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Pink	Turquoise

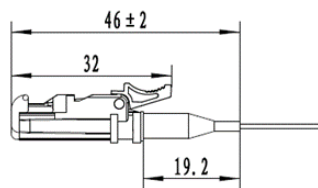
Note:

- 1) Fiber – cable color, not used when color is not defined
- 2) Key color code: BK-black, GY-grey, BU-blue, GN-green, not used – the same key color as connector body
- 3) X – according fiber subtype (e.g. G.657.A1,A2,B3)
- 4) G.655 – various types available (TrueWave, Reduced Slope, TeraLight, Leaf, ...)
- 5) Grade A, A+ is not available for duplex patchcords
- 6) Other cable diameter – on request

Dimensions:



Cable version



Fiber 0.9 mm version

Sample:

NE2A-28 S7A1-J-002

LSH/APC Grade A patchcord, G.657.A1 fiber, 2 m length

