

Jumper Singlemode Simplex



Features & Benefits

- Available with all fiber optic connector types
- High quality housings and ceramic ferrules
- Low insertion loss and high return loss
- Individual test results and traceability number
- Mating Durability: 1000 cycles; <0.2 dB change
- IEC, EIA/TIA compliant
- Customized on request



Overview

PPC offers high performance fiber optic simplex jumpers for use in single-fiber applications. The simplex jumpers are manufactured using state-of-the-art controlled manufacturing processes to operate over the full range of singlemode wavelengths.

The jumpers are terminated with high quality connectors, which provide low insertion loss and high return loss. Each patchcord is individually tested and supplied with test certificates. The unique serial number provides traceability of every single product. Available in all types of singlemode fiber types.

Standards

Optical Fiber	Cable Jacket ratings
ITU-T G.652D, G.655, G.657A1/A2, G.657B2/B3, G.655	Low Smoke Zero Halogen (LSZH) per: IEC 60754-1, IEC 60754-2, IEC 61034-2 Flame Rating as per: IEC 60332-1-2, UL 1666 (Riser), NFPA 262 (Plenum)
Connector Design acc.	Connector Tested acc.
IEC 61754, TIA 604	IEC 61753, IEC 61300, TIA-455

Technical Data

Durability	Fiber Connectors
Min. 1000 cycles	LC, SC, LSH, FC, MU, ST
Insertion Loss	Return Loss
<i>dB</i>	<i>dB</i>
≤0.25	≥50 UPC, ≥60 APC
Wavelength	
<i>nm</i>	
1310/1550	

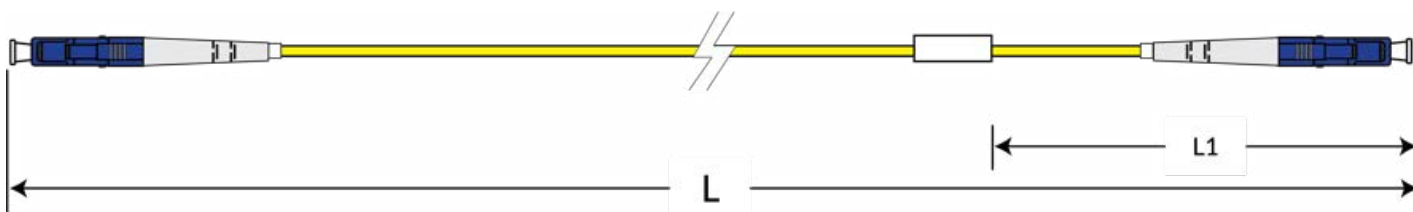
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Environmental Data

Operating temperature	2015/863 RoHS	Free of Halogen
°C		
-20 to +70	Fully compliant	Yes

Technical Drawing



Length of assembly (L)	Traceability label distance (L1)
L -0/+50mm (for L<0.5m) L -0/+100mm (for 0.5m>L<5m) L -0/+200mm (for L>5m)	200 ± 25mm (from one end)

Ordering Information

Example

JA	S	1	1	1	1	3	5	1	2	2	1-	0	0	1	5
	1	2	3	4	5	6									7

1 Sheath

S = Standard, LSZH
A = Plenum
C = Riser
E = PVC

2 Connector Type End A

11 = LC UPC
12 = LC APC 8°
31 = SC UPC
32 = SC APC 8°
41 = LSH UPC
42 = LSH APC 8°
51 = FC UPC
52 = FC APC 8°
71 = MU UPC
72 = MU APC 8°
61 = ST UPC

3 Connector Type End B

nn = Please refer to End A
connector code

4 Fiber type

35 = G652/G652.D
36 = G657.A1
37 = G657.A2
38 = G657.B2
39 = G657.B3

5 Cable Type and Diameter

10 = 1,2mm
11 = 1,4mm
12 = 1,6mm
13 = 1,8mm
14 = 2,0mm
15 = 2,2mm

5 Cable Type and Diameter

16 = 2,4mm
17 = 2,6mm
18 = 2,8mm
19 = 3,0mm

6 Performance

1 = Grade A (≤0.15dB)
2 = Grade B (≤0.25dB)
3 = Grade C (≤0.50dB)

7 Length

005 = 500 mm
0015 = 1,5 m
0150 = 15 m
1500 = 150 m