

Jumper Singlemode Duplex



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
- Polarity A-B (Standard), A-A



Overview

PPC offers high performance fiber optic duplex jumpers for use in duplex fiber applications. The duplex 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	

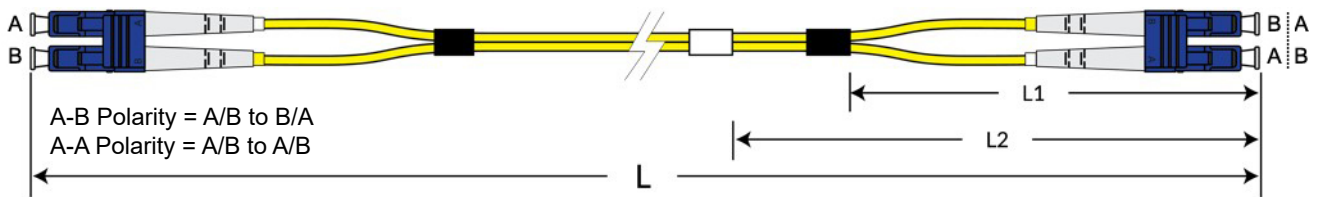
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Environmental Data

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

Technical Drawing



Length of assembly (L)	Split length (L1)	Traceability label distance (L2)
L -0/+50mm (for L<0.5m) L -0/+100mm (for 0.5m>L<5m) L -0/+200mm (for L>5m)	150 ± 25mm (from one end)	200 ± 25mm (from one end)

Ordering Information

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

1 Sheath / Polarity S = Standard, LSZH, Polarity A-B N = Non-Standard, LSZH, Polarity A-A A = Plenum, Polarity A-B B = Plenum, Polarity A-A C = Riser, Polarity A-B D = Riser, Polarity A-A E = PVC Polarity A-B F = PVC Polarity A-A	2 Connector Type End A 54 = FC UPC 55 = FC APC 8° 74 = MU UPC 75 = MU APC 8° 64 = ST UPC	5 Cable Type and Diameter 13 = 1.8mm 14 = 2.0mm 18 = 2.8mm 19 = 3.0mm
2 Connector Type End A 14 = LC UPC 15 = LC APC 8° 34 = SC UPC duplex 35 = SC APC 8° 44 = LSH UPC 45 = LSH APC 8°	3 Connector Type End B nn = Please refer to End A connector code	6 Performance 1 = Grade A (≤0.15dB) 2 = Grade B (≤0.25dB) 3 = Grade C (≤0.50dB)
	4 Fiber type 35 = G652/G652D 36 = G657A1 37 = G657A2 38 = G657B2 39 = G657B3 40 = G655	7 Length 005 = 500 mm 0015 = 1,5 m 0150 = 15 m 1500 = 150 m

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