

# Jumper Singlemode Ruggedized Duplex



## Features & Benefits

- Available with all fiber optic connector types
- Ruggedized jacket in different cable color available
- High quality ferrules and housings
- Factory terminated and 100% tested for Insertion Loss and Return Loss
- 100% optical tested with individual test results and traceability number
- Mating Durability: 1000 cycles; <0.2 dB change
- IEC, TIA and GR-326-CORE compliant
- Polarity A-B (Standard), A-A



## Overview

PPC's Ruggedized Flat Duplex fiber patch cables provide a more robust alternative to standard zipped duplex patch cables. The patch cords are recommended for patching where fiber runs are of longer distance as the patch cords are less prone to damage during & after installing. These are available in Singlemode with all the standard connector options.

The cable is also known as a Flat Twin which consists of two simplex tight buffered cables surrounded by aramid yarn, encased in an additional LSZH sheath for extra rigidity and protection. Each patch cord is individually tested and supplied with test certificates. The unique serial number provides traceability of every single product.

## 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	Outer diameter	Sub-unit diameter
	mm	mm
Min. 1000 cycles	4.0 × 8.1 (±0.3)	2.8 ~ 3.0
Cable weight	Tensile strength	Crush Resistance
kg/km	N	N/mm
28	Short term: 300, Long term: 150	Short term: 1000/100, Long term: 300/100

## Optical Data

Fiber Connectors	Insertion Loss	Return Loss	Wavelength
	dB	dB	nm
LC, SC, E2000™, FC, MU, ST	≤0.25	≥50 UPC, ≥60 APC	1310/1550

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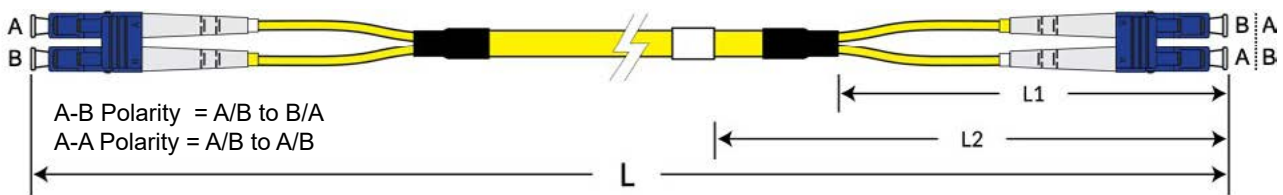
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## Environmental Data

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

<b>1 Sheath / Polarity</b> 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	<b>2 Connector Type End A</b> 54 = FC UPC 55 = FC APC 8° 74 = MU UPC 75 = MU APC 8° 64 = ST UPC	<b>5 Cable Type and Diameter</b> 32 = Fig 'O' duplex 1,8mm 33 = Fig 'O' duplex 2,8mm
<b>2 Connector Type End A</b> 14 = LC UPC 15 = LC APC 8° 34 = SC UPC duplex 35 = SC APC 8° 44 = E2000™ UPC 45 = E2000™ APC 8°	<b>3 Connector Type End B</b> = Please refer to Connector Type End A code	<b>6 Performance</b> 1 = Grade A (≤0.15dB) 2 = Grade B (≤0.25dB) 3 = Grade C (≤0.50dB)
	<b>4 Fiber type</b> 35 = G652/G652.D 36 = G657.A1 37 = G657.A2 38 = G657.B2 39 = G657.B3 40 = G655	<b>7 Length</b> 005 = 500 mm 0015 = 1,5 m 0150 = 15 m 1500 = 150 m

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