Pigtails Singlemode

Features & Benefits

- Available with all fiber optic connector types
- High quality ferrules and housings
- Low insertion loss and high return loss
- Individual test results and traceability number
- Mating Durability: 1000 cycles; <0.2 dB change
- IEC, EIA/TIA and GR-326-CORE compliant
- Customized on request

Overview

PPC offers high-performance pigtails colored in compliance with TIA-598-C standard for all types of fiber optic networks. The pigtails are manufactured in state-of-the-art controlled facilities and to strict manufacturing processes. The pigtail are designed to operate over a wide range of wavelengths, ranging from 1310nm - 1550nm for singlemode fiber with guaranteed low loss and reliability.

PPC pigtails are offered in wide variety of connectors for singlemode fiber. Each pigtail is individually tested and supplied with a test certificate. The unique serial number provides traceability of every single product.

Standard

Optical Fiber	Cable Jacket ratings
ITU-T G.652.D, G.655, G.657.A1/A2, G.657.B2/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
dB	dB
≤0.25	≥50 UPC, ≥60 APC

Wavelength
nm
1310/1550

Pigtails
Singlemode

PPC®
A **BELDEN** BRAND

Environmental Data

Operating temperature	2011/65/EC RoHS	Free of Halogen
°C		
-20 to +70	Fully compliant	Yes

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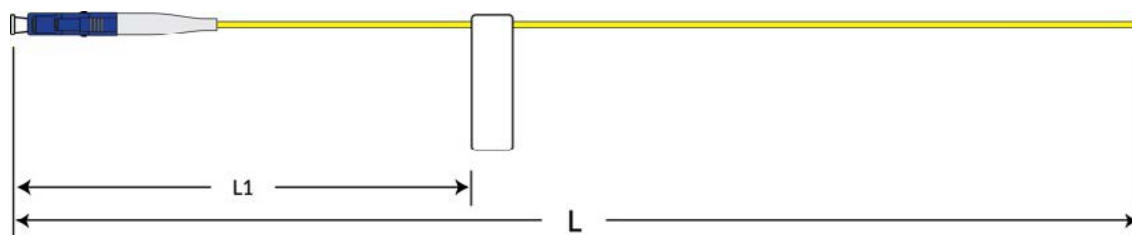
Length of assembly (L)	Traceability label distance (L1)
L -0/+50mm (for L<0.5m) L -0/+100mm (for 0.5m>L<5m) L -0/+200mm (for L>5m)	50 ± 25mm (from one end)

Ordering Information

Example   PTS S 1 1 3 5 0 7 2 0 1 - 0 1 5

	1	2	3	4	5	6		7

1 Sheath

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

2 Connector Type

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 Fiber Type

35 = G.652/G.652.D
36 = G.657.A1
37 = G.657.A2
38 = G.657.B2
39 = G.657.B3
40 = G.655

4 Cable Type and Diameter

02 = Simplex 250μm Ø
06 = Simplex 600μm Ø
07 = Simplex 900μm Ø Easy Strip
08 = Simplex 900μm Ø
      Tight Buffered
09 = Simplex 900μm Ø Loose Tube

5 Performance

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

6 Colour

01 = Yellow (STD)
30 = Standard TIA Pigtail Set 1-12
31 = Standard TIA Pigtail Set 13-24

7 Length

005 = 500 mm
015 = 1.5 m

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