



'where
fiber optic happens'

TECHNICAL DATASHEET

Product: Singlemode Fiber Optic Cable Assemblies

Features and Characteristics

- A single (Pig-tails are available only with one end connectorized) or double side connectorized cable (Simplex or Duplex type available)
- LSOH (Low Smoke Zero Halogen) and FRNC (Flame Retardant Non Corrosive) outer jacket
- All single-mode assembly products are designed and tested acc. To the Telcordia GR-326-CORE, Issue 3.
- Cables comply with IEC 60332-1/ 2/ 3, IEC 60754-1/ 2, IEC 61034 when concerned
- 1,6 to 3,0 mm OD is available for simplex types and 2 x (1,6 to 3,0) mm OD is available for duplex types depending on connector type
- G.652D, G.657A1, G.657A2/B2 and G.657B3 for singlemode fiber alternatives
- UPC or APC (8°) options
- All lengths are possible in meters
- -20 to +80° C operational temperature range
- Mating durability : 1000 cycles, less than 0,2 db loss

Patch Cord Cable Properties

- One or two tight coated (0,9 mm +/- 0.05 mm) Fibers (Only 1 tight coated fiber for pig-tails)
- Ultra high modulus Aramid yarns strength members reinforced
- LSZH fire retardant sheath, UV stabilised sheathing material acc. to the EN 50290-2-27
- Sheath color is yellow for G.652D, white/ ivory for G.657A1, G.657A2/ B2 and G.657B3
- Fiber and Cable type is indicated on the outer jacket marking with 1 meter intervals in black color

Connector Types & Specifications

Connector Type	Boot Color	Design Features	Insertion Loss (db) Typical	Back Reflection (db) Typical
FC/ UPC	Blue	Screw	0.20-0.30	≤ -50
FC/ APC	Green	Screw	0.20-0.30	≤ -65
ST/ UPC	Blue	¼ Turn	0.20-0.30	≤ -50
SC/ UPC	Blue	Push Pull	0.15-0.20	≤ -55
SC /APC	Green	Push Pull	0.15-0.20	≤ -65
LC/ UPC	Blue	SFF Clip Latch	0.15-0.20	≤ -55
LC/ APC	Green	SFF Clip Latch	0.15-0.20	≤ -65
E2000/ UPC	Blue	Push Pull (Dust Cap)	0.15-0.20	< -55
E2000/ APC	Green	Push Pull (Dust Cap)	0.15-0.20	≤ -65

- All zirconia ceramic ferrules and composite body,polymer parts comply with UL 94-V0 requirements
- Comply with related parts of IEC-61300, IEC 61754 and TIA/ EIA 604 requirements
- All assemblies factory terminated and %100 tested
- Low loss fibers, flexible cables and easy to strip tight coated fibers
- Both Ends of connectors are marked as A and B in duplex type patch-cords for error free usage



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Product: Multimode Fiber Optic Cable Assemblies

Features and Characteristics

- A single (Pig-tails are available only with one end connectorized) or double side connectorized cable (Simplex or Duplex type available)
- LSOH (Low Smoke Zero Halogen) and FRNC (Flame Retardant Non Corrosive) outer jacket
- Cables comply with IEC 60332-1/ 2/ 3, IEC 60754-1/ 2, IEC 61034 when concerned
- 1,6 to 3,0 mm OD is available for simplex types and 2 x (1,6 to 3,0) mm OD is available for duplex types depending on connector type
- OM1, BIF OM2 ,BIF OM3 , BIF OM4 & BIF OM5 for multimode fiber alternatives
- UPC type
- All lengths are possible in meters
- -20 to +80° C operational temperature range
- Mating durability : 1000 cycles, less than 0,2 db loss

Patch Cord Cable Properties

- One or two tight coated (0,9 mm +/- 0.05 mm) Fibers (Only 1 tight coated fiber for pig-tails)
- Ultra high modulus Aramid yarns strength members reinforced
- LSZH fire retardant sheath, UV stabilised sheathing material EN 50290-2-27
- Sheath color is orange for OM1/ OM2, aqua for OM3/ OM4 & violet for OM5
- Fiber and Cable type is indicated on the outer jacket marking with 1 meter intervals in black color

Connector Types & Specifications

Connector Type	Design Features	Insertion Loss (db) Typical	Back Reflection (db) Typical
FC/ UPC	Screw	0.20	≤ -40
ST/ UPC	¼ Turn	0.20	≤ -40
SC/ UPC	Push Pull	0.20	≤ -40
LC/ UPC	SFF Clip Latch	0.20	≤ -40
E2000/ UPC	Push Pull (Dust Cap)	0.20	< -40

- All zirconia ceramic ferrules and composite body, polymer parts comply with UL 94-V0 requirements
- Comply with related parts of IEC-61300, IEC 61754 and TIA/ EIA 604 requirements
- All assemblies factory terminated and %100 tested
- Low loss fibers, flexible cables and easy to strip tight coated fibers
- Both Ends of connectors are marked as A and B in duplex type patch-cords for error free usage

*Pls. ask Focabex for custom design alternatives.