

FIBRE CONNECTOR

FIBRE CONNECTOR SPECIFICATION

FEATURES

Quick, easy installation.
 High quality Zirconia PC ferrule.
 900 micron, 2mm, 3mm cable applications.
 Telcordia-style strain and relief boot.

STANDARDS COMPLIANCE

UL-V0 flammability rating
 TIA/EIA-568-C.3 (Optical Fibre Cabling Components Standard)
 ANSI/TIA/EIA-455B (Standard Test Procedure for Standard Fibre Optic Fibres, Cables, Connecting & Terminating Devices)
 IPC-8497-1 (Cleaning Methods & Contamination Assessment for Optical Assembly)

DESIGN & MATERIALS

Connector Ferrule	Zirconia Ceramic with a pre-polished fibre stub
Alignment Sleeve	Zirconia or Phosphor Bronze
Connector Body	UL 94V-0 rated Thermoplastic
Crimp Insert/Crimp Tube	Nickel-Plated Brass/Thermoplastic Elastomer Polymer
Dust Cap	Nylon or PVC
Strain Relief Boot	Flame retardant (UL-Rated 94-V0) polymer
Connector Style	SC, FC, ST, LC, MTRJ, E2000
Polish	PC, UPC & APC
Capillary Diameter Tolerance(Single Mode)	126 ± 0.5 µm
Capillary Diameter Tolerance(Multimode)	127 ± 0.5 µm
Ferrule Diameter	2.5 ± 0.001 mm

ENVIRONMENTAL & MECHANICAL DATA

Operating Temperature	-40 °C to +85 °C
Storage Temperature	-40 °C to +85 °C
Temperature Cycling (61300-2-18)	-40 °C to +75 °C, 40 cycles=0.2 dB change
High Temperature (61300-2-18)	70° c for 96 Hrs, <0.4dB change
Damp Heat(61300-2-19)	40° C at 93 % RH for 96 Hrs, < 0.4 dB change
Vibration-Mated Pair (61300-2-1)	10-55 Hz, 1.5 mm P to P < 0.2 dB change
Mating Durability (61300-2-2)	500 Mating Cycles, clean every 25, < 0.2 dB change

OPTICAL PERFORMANCE DATA

Item	Single mode			Multimode		
	PC	UPC	APC	62.5/125	50/125	50/125 10G
Insert Loss/connector (single Fibre)	0.2 dB Max. (0.15 dB typ.)			0.3dB Max. (0.25dB typ.)		
Return Loss	45 dB	≥ 50 dB	≥ 60 dB	N.A		
Insert Loss/MTRJ Connector	0.5 dB Max. (0.45 dB typ.)			0.5dB max. (0.45dB typ.)		
Pull Strength	≥ 98 N	≥ 98 N	≥ 98 N	≥ 98 N		



FIBRE CONNECTOR

FAST CONNECTOR

Norden fast connectors are factory pre-polished, field-installable connectors that completely eliminate the need for hand polishing in the field. These fast connectors are compatible with 0.9 mm tight buffer, 2 mm & 3 mm drop cable. This connector during the installation process does not require any adhesive and curing process. It is possible to rework so can be reduced the defect rate by worker's connection error.



COMPLIANCE

ANSI/TIA-568-C.3
ANSI/TIA-604-3 (SC), -10A(LC) Connector Interchangeability Standards.
Meets GR-326; General Requirements for Single Mode Connectors.

FEATURES

Easy assembly process
No polish, No epoxy required
Factory polishing eliminates loss concerns

APPLICATIONS

Intra-building backbone, LAN cross connects, LAN & WAN data transmission.
Direct equipment termination.

SPECIFICATIONS

Fibre Diameter	125 µm
Fibre Cable Type	2.0 mm, 3.0 mm drop cable & 0.9 mm Tight Buffer
Coupling Type	Snap, Push Pull Type
Tight Buffer Diameter	250 µm
Fibre Mode	Single Mode
Temperature	-40 °C to +85 °C
Colour	Green (APC), Blue (UPC)

ORDERING INFORMATION

Part Number	Description
37-SSC3	SC/APC Singlemode Fast Connector
37-SLC3	LC/APC Singlemode Fast Connector
37-SSC2	SC/UPC Singlemode Fast Connector
37-SLC2	LC/UPC Singlemode Fast Connector
37-MLC1	LC/PC Multimode Fast Connector- Simplex
37-DLC1	LC/PC Multimode Fast Connector- Duplex

PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
37-SSC3	100 x 5 x 10	Carton Box	7.5	8.5	545 x 260 x 395
37-SLC3	100 x 5 x 10	Carton Box	7.5	8.5	545 x 260 x 395
37-SSC2	100 x 5 x 10	Carton Box	7.5	8.5	545 x 260 x 395
37-SLC2	100 x 5 x 10	Carton Box	7.5	8.5	545 x 260 x 395
37-MLC1	100 x 5 x 10	Carton Box	7.5	8.5	545 x 260 x 395
37-DLC1	100 x 5 x 10	Carton Box	7.5	8.5	545 x 260 x 395