

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
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 & 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

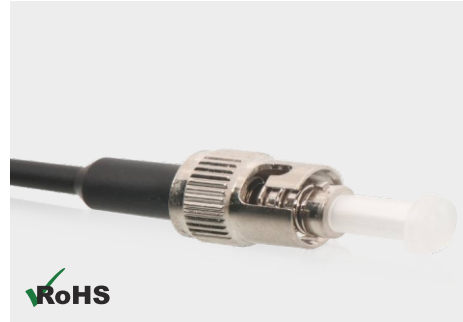
Item	Single mode			Multimode		
	PC	UPC	APC	62.5/125	50/125	50/125 10G
Insert Loss/connector (single Fibre)	0.2 dB Max. (0.15 dB typ.)			0.3dB Max. (0.25dB typ.)		
Return Loss	45 dB	≥50 dB	≥60 dB	N.A		
Insert Loss/MTRJ Connector	0.5 dB Max. (0.45 dB typ.)			0.5dB max. (0.45dB typ.)		
Pull Strength	≥98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

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ST CONNECTOR

Norden ST connector features a bayonet locking mechanism to reduce the risks of accidental disconnection of fibre connections. This connector is comprised of a Nickel plated Brass body and a Ceramic ferrule/spring/crimp barrel assembly plus a crimp over sleeve with rubber boot. These connectors are suitable for, 900µm and 2-3mm cables.

The connector is precision made and manufactured to demanding specifications. The combination of a Ceramic ferrule with precision metal housing provides consistent long-term mechanical and optical performance.



COMPLIANCE

Compliant with IEC 61754-2 for intermateability.

APPLICATIONS

Data Communication Networks (APC not possible).

SPECIFICATIONS

Ferrule Diameter	2.5 mm
Coupling Type	bayonet
2 mm Boot Colour	Red/Black/Yellow
900 µm Boot Colour	Red/Black/Yellow
Shell Connector versions available for	2 mm, 3 mm Cable, 900 µm Buffered Fibre, Simplex
Shell Tensile Strength Cable retention	> 50 N for 2 mm boot versions & > 98 N for 3 mm & 0.9 mm

ORDERING INFORMATION

Part Number	Description
36-MST1	ST/PC Multimode Connector
36-SST1	ST/PC Singlemode Connector

PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
36-MST1	100 x 5 x 10	Carton Box	11.5	12.5	545 x 260 x 395
36-SST1	100 x 5 x 10	Carton Box	11.5	12.5	545 x 260 x 395