



Optical Fibre

PRODUCTS AVAILABLE

Connectors

- FC / APC Connectors – single mode
- FC Connectors – single / multi-mode
- LC Connectors – single / multi-mode
- MT-RJ Connectors – multi mode only
- MU Connectors
- SC / APC Connectors – single-mode
- SC Connectors – single / multi-mode
- SC Duplex Connectors – single / multi-mode
- ST Connectors – single / multi-mode
- DIN Connectors – single mode

Patch Cords

- FC / APC Patch cords – single mode
- FC Patch cords – single / multi-mode
- LC Patch cords – single / multi-mode
- MU Patch cords – single / multi-mode
- SC / APC Patch cords – single / multi-mode
- SC Patch cords – single / multi-mode
- ST Patch cords – single / multi-mode
- DIN Patch cords – single / multi-mode

Pigtails

- FC / APC Pigtails – single mode
- FC Pigtails – single / multi-mode
- LC Pigtails – single / multi-mode
- SC / APC Pigtails – single mode
- SC Pigtails – single / multi-mode
- ST⁺ Pigtails – single / multi-mode

Adaptors

- FC / APC through Adaptors – single mode
- FC through Adaptors – single / multi-mode
- LC through Adaptors – single / multi-mode
- MT-RJ Adaptors – multi-mode only
- MU Adaptors
- SC / APC through Adaptors- single mode
- SC Duplex Adaptors – single / multi-mode
- SC through Adaptors – single / multi-mode
- ST through Adaptors – single / multi-mode

Miscellaneous

- Adaptor Plates
- Attenuators: Fixed & Variable Optical
- BSC / BSCII Backplane Connector System
- Couplers
- FDDI Connectors & Adaptors
- Fibre Enclosures
- MT-RJ Connector & Adaptors
- SMA Connectors & Adaptors

SC Connectors and Adaptors Single mode or Multi Mode

Features:

- Meets EIA/TIA, IEC and NTT-SC standards
- Variety of color & boot styles, variety of PC length
- Pre-assemblies or multi-piece body design
 - Reduce termination time
- Pre-polished ceramic ferrules
 - Minimizes polishing time
 - Maintains end face geometry, physical contact
 - Tunable
- Low insertion loss
 - < 0.34dB typ. Multi-mode
 - < 0.17dB typ. Multi-mode enhanced
 - < 0.15dB typ. Single mode
- Three adaptor styles
- Industry standard, small flanged & shuttered

Applications:

Telecommunications networks
CATV networks
Data communication networks
Active device termination

Specifications:

Ferrule: Zirconia pre-polished

Single mode	Standard/Ultra	APC
Return Loss	> 55dB	> 60dB
Insertion Loss	≤ -0.13dB	≤ 0.25dB
Operational temperature	-40 to + 80°C	-40 to + 80°C
Storage temperature	-40 to + 80°C	-40 to + 80°C

SC / APC Connectors and Adaptors

Features:

- Connector design
 - NTT-SC standard
- One-piece body design
 - Minimizes termination time
 - Field installable
- Precision APC ferrule
 - Provides superior performance
 - Insertion loss <0.25dB typ.
 - Return loss >60dB typ.
- Standard SC adaptors
- NTT-SC standard
- Zirconia ceramic and phosphor bronze sleeve
- Shuttered adaptors
 - Shield against exposure to laser radiation
- Dust cover for unused fibre channels



CCE Components Division

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Continued

SC Duplex Connectors and Adaptors

Features:

- Utilizes standard NTT-ST⁺ Connectors
- Meets EIA/TIA 568A and IEC 874-19 standards
- Easy to assemble one-piece SC Connector body
- Low insertion loss:-
 - < 0.15dB typ. Single mode
 - < 0.34dB typ. Multi mode
 - < 0.17dB typ. Multi mode enhanced.
- Rugged duplex housing provides uniform and smooth mating
- Optional adaptor styles SC to SC and SC to ST⁺
 - Snap mount or flange mount

Applications:

Telecommunication networks
Data communication networks
Fibre Channel

SC Connectors and Adaptors

Features:

- High performance single mode & multi-mode pre-polished ferrules
- ST compatible bayonet coupling
- Field installable
- Standard crimp and crimpless screw type Kevlar[®] retention
- Variety of ferrule styles PC, PC+ & stainless steel
- Low insertion loss:-
 - < 0.34dB typ. Multi mode
 - < 0.17dB typ. Multi mode enhanced
 - < 0.35dB typ. Multi mode stainless steel
- Variety of connector styles – long boot, short boot, 90° boot & 900 m buffered fibre.

	Single mode
Return loss	≥ -45dB
Insertion loss	≤ 0.15dB
Operational temperature	- 40°C to + 80°C
Storage temperature	- 40°C to + 80°C

Applications:

Telecom
Local Area Networks (LAN)
Data Processing Networks
Premise installations



FC Connectors and Adaptors

Features:

- Designed to NTT-FC standard
- One-piece body design
 - Reduces termination time
 - Field installable – essentially pre-assembled
- Pre-polished ceramic ferrules
 - Minimum polishing needed
 - Maintains endface geometry, physical contact
- Low insertion loss
 - < 0.34dB typ. Multi-mode
 - < 0.17dB typ. Multi-mode enhanced
 - < 0.15dB typ. Single-mode

Applications:

Telecommunication networks
CATV networks
Active device termination
Instrumentation

Specifications:

Ferrule: Zirconia pre-polished

Single mode	Standard/Ultra	APC
Return Loss	> 55dB	> 60dB
Insertion Loss	≤ -0.15dB	≤ 0.25dB
Operational temperature	- 40°C to + 80°C	- 40°C to + 80°C
Storage temperature	- 40°C to + 80°C	- 40°C to + 80°C

FC / APC Connectors and Adaptors

Features:

- NTT-FC connector design
- One-piece body design for quick & easy assembly
- Precision APC ferrule provides superior performance
- Low insertion loss < 0.25dB typ. Single mode
- Low return loss > 60dB
- Compatible with all APC hardware
- Standard NTT-FC key
- Tight fit key (compatible with other manufacturers)

DIN Connectors and Adaptors

Applications:

- CATV networks
- Telecommunication networks

Fibre Optic Cable Assemblies

Features:

- Standard or custom assemblies
- Precision ferrule end face geometry
- Controlled fibre protrusion
- Factory polished, tested & serialised

Applications:

Telecommunication networks
CATV networks
Data communication networks

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