

Optical Terminators

Plug type

Description:

The plug-type optical terminations are used to terminate dark fiber ports on fiber optic components. The zirconia ferrule is polished with an angled or non-angled end face to reduce unwanted reflections from open ports. These terminations also provide improved personnel safety over other termination methods.



Features:

- Reduced backreflection
- Termination possible without use of matching gels
- Easy to install
- Optical terminations are matched to system design

Application:

- Termination of dark fiber ports on products such as DWDMs (Dense Wavelength Division Multiplexors), switches and other multiport components
- Bidirectional transmission systems
- Analog and CATV transmission systems
- High bit rate telecommunication systems such as STM-16 (OC-48) and above

Specifications:

Parameters	Specifications (Non-angled)	Specifications (Angled 8°)
Wavelength range	1310 to 1650 nm	1310 to 1650 nm
Return loss (FC, SC, ST*, LC and MU*)	≥50 dB	≥60 dB
Dimensions (L x W) (typical)		
FC	29 x 10 mm	29 x 10 mm
SC	36 x 9 mm	36 x 9 mm
ST	30 x 10 mm	N/A
LC	22 x 4.5 mm	22 x 4.5 mm
MU	34 x 6.5 mm	N/A
Operating temperature	-25 to +70 °C	-25 to +70 °C
Storage temperature	-40 to +85 °C	-40 to +85 °C
Power durability	100 mW - standard	

Note: 1) Angled polish not available for ST and MU designs.

Ordering code:

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UPC	FC/UPC
NPC¹	FC/APC ²
USC	SC/UPC
NSC	SC/APC
ULC	LC/UPC
NLC	LC/APC
UMU	MU/UPC
USL	ST/UPC

Note: 1) NPC 2.05 mm standard
NPC215 2.15 mm standard on demand
2) APC angled polishing 8°, other angle on demand