

Photonics

**No Reflection Termination**



Fibrain No Reflection Termination can be used when an extremely low reflection (smallest possible percentage of returning signal) at the end of a fiber optic link is necessary, e.g. in specialty OTDR, BOTDR, and BOTDA (such as in Structural Health Monitoring) measurements or in measuring devices calibration. The No Reflection Terminations are characterized by uniform return loss in the whole CWDM wavelength range. They are based on various fiber types (G.652.D, G.657.A2, etc.) and are available as a pigtail for splicing or as a patchcord on special request. Their length and connectors are chosen based on customer's order.

**APPLICATIONS**

- ✓ Specialty OTDR, BOTDR, BOTDA measurements
- ✓ Measuring devices calibration

**ADVANTAGES & FEATURES**

- ✓ 1250 nm - 1650 nm operating range
- ✓ Available as a pigtail or patchcord with any connector
- ✓ Return loss > 70 dB
- ✓ Each NRT is measured individually

**TECHNICAL SPECIFICATIONS:**

Parameter	Value
Reflected wavelengths	1250-1650 nm
Return loss	>70 dB
PDL	<0.5 dB
Operating temperature	0 to +45 °C
Storage temperature	-40 to +85 °C
Optical operating power	500 mW
Fiber type	G.652.D, G.657.A1, G.657.A2, others

**PACKAGING:**

The patchcords are individually packed in string bags.



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**ORDERING INFORMATION:**

Series	Quality	Fiber type	Fiber length	Cable type	Connector type	Cable color
NRT	G0/G1	1-G.652.D	0 - 0.5 m	25 – 250 µm	XX-pigtail	OR
		2-G.657.A1	1 - 1 m	90 – 900 µm	SC	Y
		3-G.657.A2	2 - 2 m	20 – 2.0 mm	SCA	GR
		4-G.657.B1		30 – 3.0 mm	FC	GY
		5-G.657.B2			FCA	BL
		6-G.657.B3			LC	BK
		X-other			LCA	V
					E20	R
					E2A	W
					X-other	

Example: NRT-G0-1-1-20-SCA – Fibrain No Reflection Termination based on G.652.D fiber, 1 m fiber length, 2.0 mm cable, SC APC connector.

**Important notice**

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.

