

CONNECTIVITY PRODUCTS

Pre-terminated Multi-core Fiber Optic Assembly



Opterna offers a complete range of pre-terminated multi-fiber assemblies in a variety of cable and connector configurations.

These high-quality factory terminated and tested assemblies may be used for simple point to point links or to install a complete fiber optic network. The cabling is fully compatible with all standard cable management accessories and requires no special tools or expertise to install.

The cables are fitted with a gland and special pulling head, which is attached to the cable strength member. This fully protects the connectors during installation and allows the cables to be pulled through ducts without applying load to the terminations.

Available in Multimode and Singlemode options on different types of cable that are suitable for indoor and outdoor installations.

Pre-terminated assemblies can also be offered custom built to the customer's specific performance requirement, application migration plan and installation environment.

Features & Advantages

- ❖ Fiber counts up to 24 fibers
- ❖ Available in Multimode and Singlemode versions
- ❖ Available in tight buffered, steel type armored and loose tube fiber options
- ❖ Reduced onsite installation time and lower installation cost
- ❖ Fully tested, labeled and documented
- ❖ Improved link loss budget
- ❖ Excellent tensile load resistance to facilitate cable pulling through ducts and rails
- ❖ Pulling sock at pulling end allows easiness to pull cable through race tracks
- ❖ All type of connector options
- ❖ RoHS compliant



Applications

- ❖ Inter-building and Intra-building backbones for Local Area Network (LAN) Premise and Campus applications.
- ❖ Data center main, horizontal, zone and equipment distribution area trunk cables for Storage Area Network (SAN) applications.



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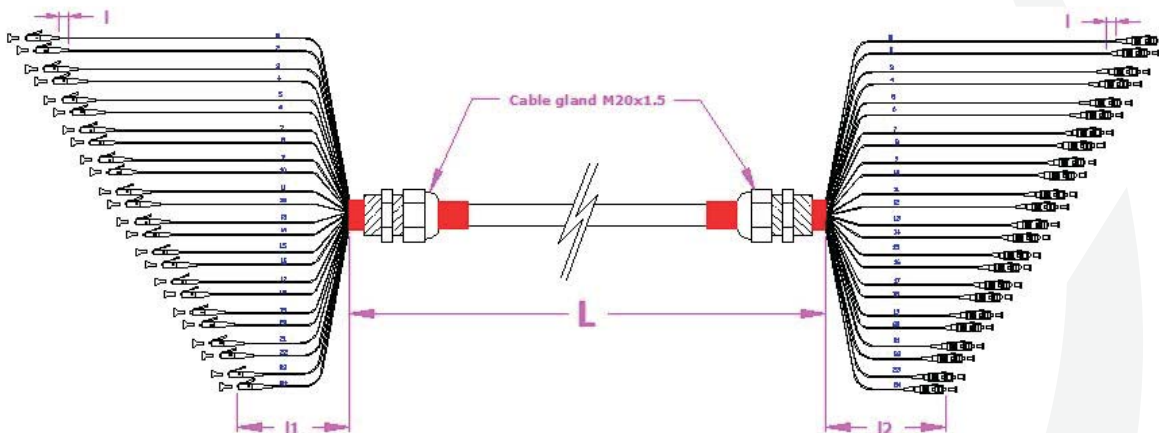
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Specification

Fiber Count	2, 4, 6, 8, 12, 16, 24
Fiber Types	62.5/125, 50/125, OM3, 8/125
Cable Type	Tight buffered (indoor) Steel Type Armored (indoor and specific outdoor) Loose Tube (Outdoor application with water resistance)
Branch out types	Staggered (as in fig. 1 below) or Fan-out (equal branch lengths)
Connector Types	SC, FC, ST, LC, MU, E2000 (in UPC & APC finish)
Specification of gland used for standard assemblies	M20 X 1.5 (other gland size available) – colour: black/ grey
Insertion Loss of each termination	Max: 0.50dB; Typ: 0.30B
Return Loss of each assembly (for Singlemode)	≥50dB for UPC ≥60dB for APC
Max. Tensile Load	1500N
Packaging	Coiled and bagged for assemblies > 50m Coiled on a drum for assemblies ≤ 50m

Size & Dimension



- Length of Assembly (gland to gland OR free end to gland) - L : $L \pm 1.0$ (m)
- Length of shortest branch at pulling end (for staggered assembly) – I1 : 30cms (unless specified)
- Length of shortest branch at non-pulling end (for staggered assembly) – I2 : 30cms (unless specified)
- Incremental length between branches (for staggered assembly) – I : $I \pm 3$ cms

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Ordering Information

