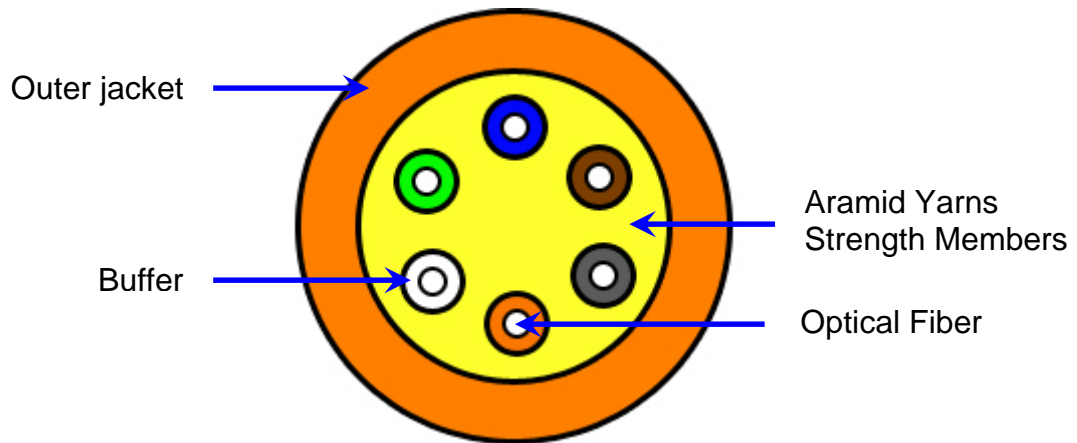


Indoor Distribution Fiber Optic Cables, Riser (4-12 Fibers)



4-12 Fibers

Description:

AMP distribution cables are designed for routing between communications closets, intrabuilding backbones and connectorized communications cables. AMP cables are tested to the TIA requirements for optical fiber cable performance, and are designed to exceed all of the performance requirements for current and proposed applications such as 100BASE-F, 155/622 Mbps ATM, AMP NETCONNECT distribution cables has been designed to meet or exceed the requirements of 10Gigabit while still supporting legacy LED and VCSEL. The system fulfills the specifications of IEEE 802.3z, Gigabit Ethernet, IEEE 802.3ae, 10Gigabit Ethernet. The cables are available with either singlemode, 62.5-micron Extended Grade or 50-micron and 50/125 Laser Optimized (XG).

Specification (Text in brackets [] requires a choice.)

The optical fiber cable shall contain [4,6,8,12,24] tight-buffered [singlemode, 62.5-micron Extended Grade or 50-micron, 50/125-micron laser optimized XG] fibers surrounded by aramid yarns strength members, PVC jacket, TIA/EIA 598 color coded fibers for easy identification per EIA 359-A. UL/CSA rated for OFNR performance. The cable jacket shall be [yellow for singlemode or orange for multimode]. The cable shall meet the applicable performance requirements listed in the following tables.

Part Numbers

| Description | Part Number | | | |
|---|-------------|------------|------------|---------------|
| | Singlemode | 62.5/125um | 50/125um | 50/125um (XG) |
| Indoor Distribution Fiber Optic Cables, 4F | Y-502985-4 | Y-502985-5 | Y-502985-2 | Y-502985-8 |
| Indoor Distribution Fiber Optic Cables, 6F | Y-502989-4 | Y-502989-5 | Y-502989-2 | Y-502989-8 |
| Indoor Distribution Fiber Optic Cables, 8F | Y-502990-4 | Y-502990-5 | Y-502990-2 | Y-502990-8 |
| Indoor Distribution Fiber Optic Cables, 12F | Y-502991-4 | Y-502991-5 | Y-502991-2 | Y-502991-8 |

Y denotes Length: 1 = 1Km, 2 = 2Km, 3 = 3Km, 4 = 4Km.

Indoor Distribution Fiber Optic Cables, Riser (4-12 Fibers)



Performance Specifications

AMP distribution fiber optic cables are designed and tested in accordance with TIA/EIA 568B, IEEE 802.3 Standard, ISO/IEC 11801, Telcordia (Bellcore) GR-409-CORE, ITU G.652D, ICEA 596, ICEA 696 Performance specifications are measured in accordance with EIA Fiber Optic Test Procedures (EIA/TIA-455 documents) and the test procedures of IEC 60793, IEC 60794.

Mechanical Specification:

| Fiber Count | Nominal O.D. mm (in) | Nominal Weight Kg/Km | Min. Bending Radius | | Rated Tensile Load | | Temperature | |
|-------------|-------------------------|-------------------------|-------------------------|----------------------|--------------------|----------------|-------------------------|-------------------------|
| | | | Installation mm (in) | Long term mm (in) | Installation N | Long Term N | Storage | Operation/Installation |
| 4-fiber | 4.8 | 19 | 72 | 48 | 1400 | 600 | -40 °c to +70 °c | -20 °c to +70 °c |
| 6-fiber | 6.5 | 38 | 98 | 65 | 1514 | 757 | | |
| 8-fiber | 6.8 | 41 | 102 | 68 | 1514 | 757 | | |
| 12-fiber | 7.1 | 47 | 106 | 71 | 1514 | 757 | | |

Performance Characteristics (meet or exceed EIA/TIA and ISO requirements)

| | XG Fiber (850/1300) | 50/125 µm MM (850/1300) | 62.5/125 µm MM (850/1300) | Singlemode (1310/1383/1550) |
|-----------------------|------------------------|----------------------------|------------------------------|--------------------------------|
| Typical Attenuation | 2.4/0.6 dB/km | 2.6/1.1 dB/km | 2.9/0.9 dB/km | 0.36/0.36/0.23 dB/km |
| Maximum Attenuation | 3.5/1.5 dB/km | 3.5/1.5 dB/km | 3.5/1.0 dB/km | 0.4/0.4/0.4 dB/km |
| OFL Bandwidth | 1500/500 MHz·km | 500/500 MHz·km | 200/600 MHz·km | Not Applicable |
| 850nm Laser Bandwidth | 2000 MHz·km | Not Applicable | Not Applicable | Not Applicable |
| 1000BASE-SX Distance | 2-900m | 2-550m | 2-220m | - |
| 1000BASE-LX Distance | 2-550m | 2-550m* | 2-550m* | 2-5000m |
| 10GBASE-SR Distance | 2-300m | 2-82m | 2-33m | NST |
| 10GBASE-LX4 Distance | 2-300m | 2-300m | 2-300m | 2-10000m |

* when use with mode conditioning lunch patch cord

Technical Details

Approvals

RoHS Compliant – RoHS

Specifications subject to change without notice.

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<http://www.ampnetconnect.com/thailand>

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