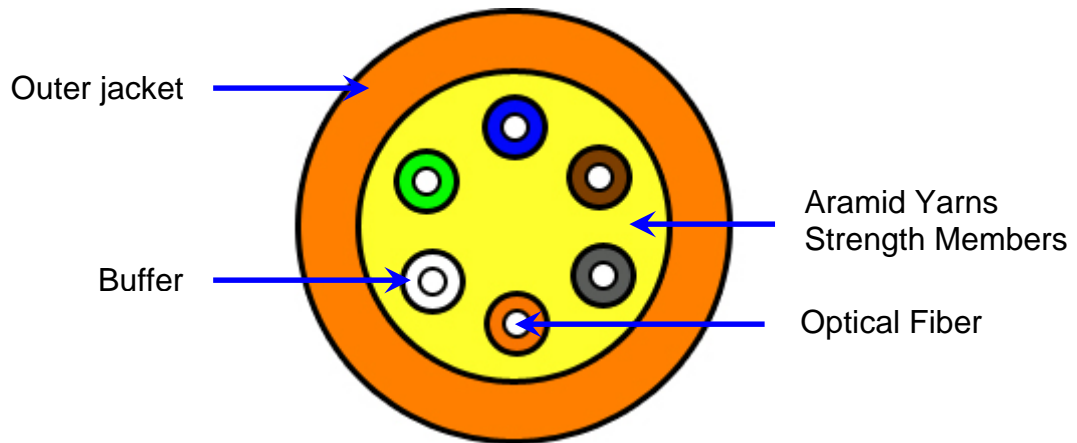


# Indoor Distribution Fiber Optic Cables, Riser (4-12 Fibers)



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.

Revised 07/09



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

©Copyright 2008 by Tyco Electronics Corporation. All Rights Reserved. AMP, AMP NETCONNECT, NETCONNECT, and Tyco are trademarks. Specifications subject to change without notice.