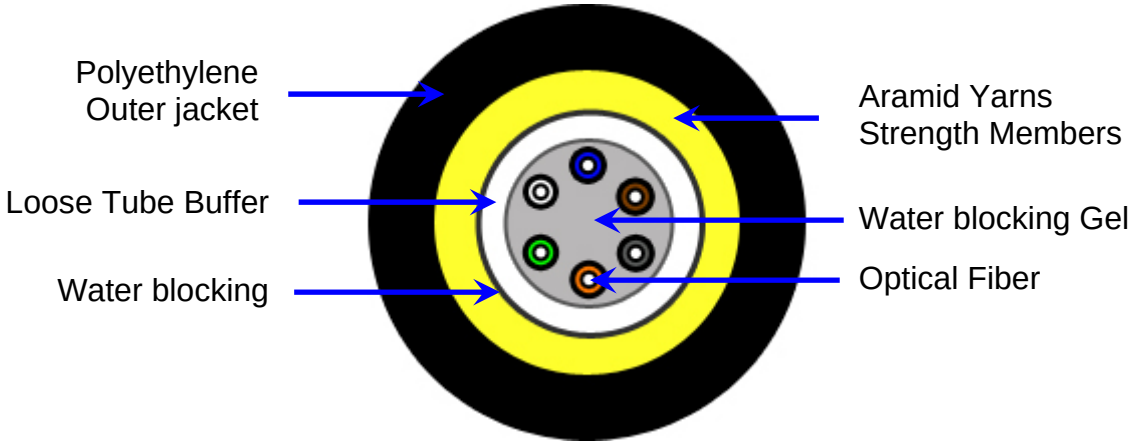
Outdoor All Dielectric Fiber Optic Cables, PE (4-12 Fibers)



4-12 Fibers

Description:

AMP OSP (outside plant) cables are designed for campus-type environments, Aerial links (when use a messenger strand) or Ducted underground service for long runs between buildings. 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 IEE 802.3z,Gigabit Ethernet, IEE 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] strain-free [singlemode, 62.5-micron Extend Grade or 50-micron, 50/125-micron laser optimized XG]] fibers in a central PBT Loose tube surrounded by water-blocking gel, (Thixotropic Gel) and glass yarn reinforcement strength members, TIA/EIA 598 color coded fibers for easy identified, All-dielectric and a protective outer jacket MDPE Polyethylene jacket for UV/harsh outdoor environment protection, (HDPE available on request). The cable jacket shall black color. 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)
Outdoor All Dielectric Fiber Optic Cables, 4F	Y-769507-4	Y-769507-5	Y-769507-2	Y-769507-8
Outdoor All Dielectric Fiber Optic Cables, 6F	Y-769509-4	Y-769509-5	Y-769509-2	Y-769509-8
Outdoor All Dielectric Fiber Optic Cables, 8F	Y-769623-4	Y-769623-5	Y-769623-2	Y-769623-8
Outdoor All Dielectric Fiber Optic Cables, 12F	Y-769510-4	Y-769510-5	Y-769510-2	Y-769510-8

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

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Performance Specifications
AMP OSP (outside plant) fiber optic cables are designed and tested in accordance with TIA/EIA 568B, IEEE 802.3 Standard ,ISO/IEC 11801,Telcordia (Bellcore) GR-20-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	Long term mm	Installation N	Long Term N	Crush Resistance	Installation	Operation /Storage
4-fiber	7.5	50	150	75	1500	600	1000 N/ 10cm	-20 ºc to +60 ºc	-40 ºc to +70 ºc
6-fiber	7.5	50	150	75	1500	600			
8-fiber	7.5	50	150	75	1500	600			
12-fiber	7.5	50	150	75	1500	600			

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

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