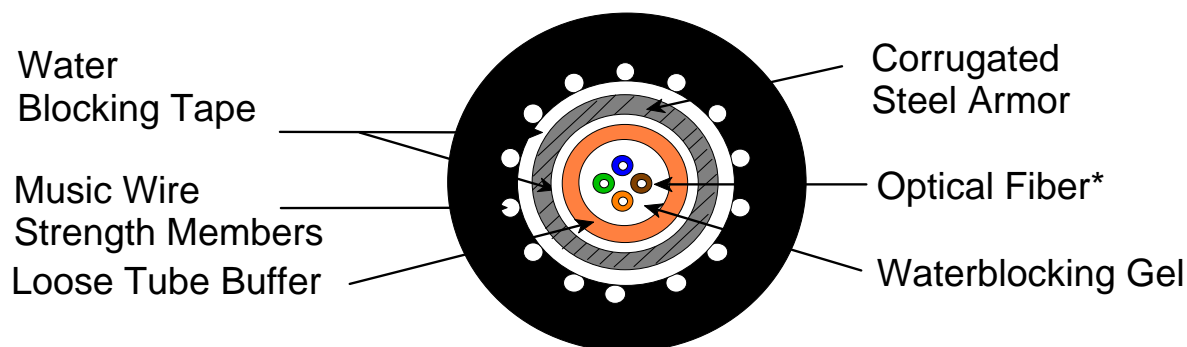


Outdoor Armored Fiber Cables, Polyethylene  
 Y-1427400-X, Y-1427401-X, Y-1427402-X, Y-1427403-X



\* See the Optical Fiber counts below table.

**Description**

AMP OSP (outside plant) cables are designed for campus-type environments, Ducted or Direct burial 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 and Gigabit Ethernet. The cables are available with either singlemode, 62.5-micron Extended Grade or 50-micron.

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

The optical fiber cable shall consist of [4,6,8 or 12] strain-free [singlemode, 62.5-micron Extended Grade or 50-micron] fibers in a central loose tube surrounded by water-blocking gel and music-wire strength members, corrugated armor, and a polyethylene outer jacket for UV/harsh outdoor environment protection. The cable shall have an outside diameter of 11.6 mm. The cable jacket shall be black. The cable shall meet the applicable performance requirements listed in the following tables.

**Transmission Performance Parameter ( Meet or exceed TIA/EIA-568-B.3)**

P/N	Fiber Count	Fiber Type	Attenuation (dB/Km)				Bandwidth (MHzKm)		
				850 nm	1300 nm	1310 nm	1550 nm	850 nm	1300 nm
Y-1427400-4	4	SM	Max.	N/A	N/A	0.5	0.4	N/A	N/A
Y-1427401-4	6			Typical	N/A	N/A	0.4		
Y-1427402-4	8		Typical		N/A	N/A	0.4		
Y-1427403-4	12								
Y-1427400-1	4	62.5/125 Extended Grade	Max.	3.5	1.0	N/A	N/A	200	600
Y-1427401-1	6			Typical	2.8	0.9	N/A		
Y-1427402-1	8		Typical		2.8	0.9	N/A		
Y-1427403-1	12								
Y-1427400-7	4	50/125	Max.	3.5	1.5	N/A	N/A	500	500
Y-1427401-7	6			Typical	2.6	1.1	N/A		
Y-1427402-7	8		Typical		2.6	1.1	N/A		
Y-1427403-7	12								

Y denote length: 1 = 1 Km, 2- =2 Km per reel.

# Outdoor Armored Fiber Cables, Polyethylene

## Y-1427400-X, Y-1427401-X, Y-1427402-X, Y-1427403-X

### Performance Specifications

AMP OSP (outside plant) fiber optic cables are designed and tested in accordance with TIA/EIA 568B, IEEE 802.3, ISO/IEC 11801 and Telcordia (Bellcore) GR-20-CORE. Performance specifications are measured in accordance with EIA Fiber Optic Test Procedures.

### Mechanical & Temperature

Fiber Types (Count)	Outside Diameter mm(in)	Weight Kg/Km (lb/Kft)	Tensile Load		Bending Radius		Temperature	
			Installation	Long term	Installation	Long Term	Operation	Storage
4	11.6 (0.46)	150 (100)	2700 N (609 lb)	890 N (200 lb)	20X Outside Diameter	10X Outside Diameter	-40°C to +70°C	-40°C to +75°C
6								
8								
12								

### Shipping and Packaging

The cable will be shipped on reels with flange diameters on the length of cable specified. Reels will be either steel or wooden according to customer preferences. (Steel reels must be returned.)  
Billing/Shipping Tolerance: -0%, +3%

Specifications subject to change without notice. Revised 9/02.

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