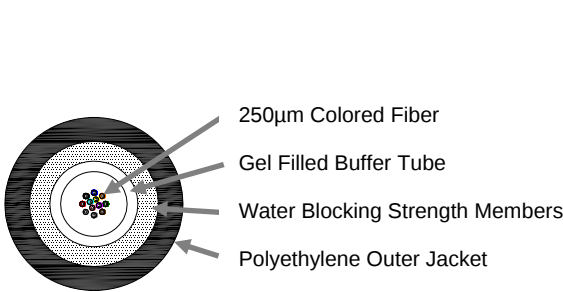
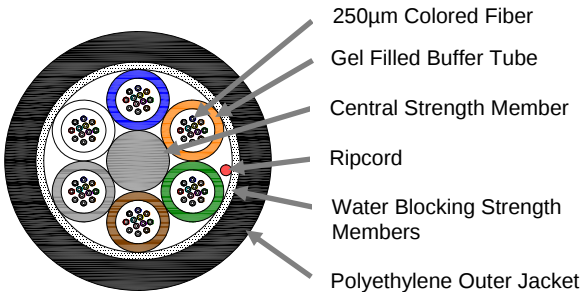


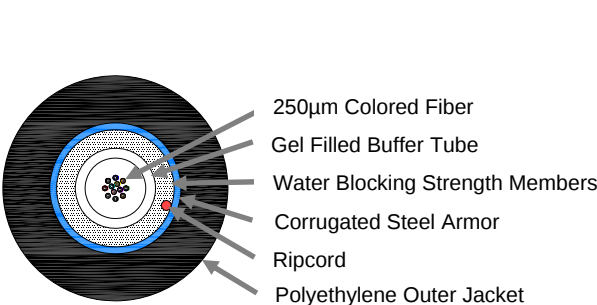
Fiber Optic Outside Plant Cables (4 - 144 Fibers)



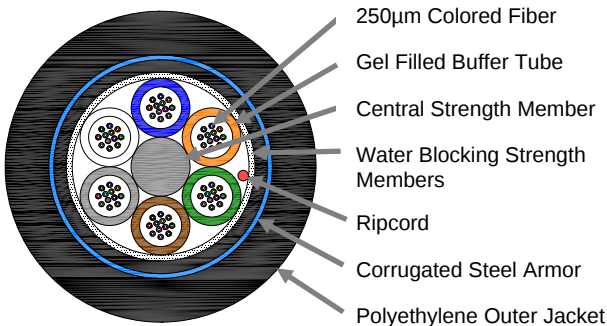
Central Tube Dielectric Cable
4-12 Fiber



Multi-Tube Dielectric Cable
24-216 Fiber
The number of tubes changes depending on fiber count.



Central Tube Armored Cable
4-12 Fiber



Multi-Tube Armored Cable
24-144 Fiber
The number of tubes changes depending on fiber count.

Description:

AMP NETCONNECT outside plant cables are designed for campus-type environments or for long runs between buildings in aerial, duct or direct buried installations. The cables consist of 250µm inked fibers encased in color coded buffer tubes with a water-barrier gel filling compound. Central tube designs (4 to 12 fibers) include a single tube surrounded by water blocking strength members and a medium-density polyethylene outer jacket. Stranded tube designs (24 to 144 fibers) include multiple tubes stranded around a central strength member, then covered by water blocking strength members and a medium-density polyethylene outer jacket. The cables are available in all dielectric and corrugated steel tape armored versions. All cables have a black outer jacket.

Standards Compliance:

AMP NETCONNECT cables are designed and tested to conform to the fiber and cable performance requirements of TIA 568, ISO 11801, Telcordia GR-20-CORE and ICEA-640 Standards.

Cable Print:

Cables will be marked every two feet with:

AMP NETCONNECT OPTICAL CABLE	OSP or OSPA	<fiber count>	<fiber type>	MM/YY	SO<shop order number>	XXXXX FEET
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Specification	114-92003	Revision	E	Date	12/8/2010	Page	1 of 5
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Fiber Optic Outside Plant Cables (4 - 144 Fibers)



Dielectric Part Numbers:

Fiber Count	Units x Fibers/Unit	62.5/125µm	50/125µm	50/125µm OM3	50/125µm OM4	Single-mode
4	1 x 4	6-1553386-1	6-1553386-2	6-1553386-4	6-1553386-5	6-1553386-3
6	1 x 6	6-1553387-1	6-1553387-2	6-1553387-4	6-1553387-5	6-1553387-3
8	1 x 8	6-1553388-1	6-1553388-2	6-1553388-4	6-1553388-5	6-1553388-3
12	1 x 12	6-1553389-1	6-1553389-2	6-1553389-4	6-1553389-5	6-1553389-3
24	2 x 12 (with 3 fillers)	6-1553390-1	6-1553390-2	6-1553390-4	6-1553390-5	6-1553390-3
36	3 x 12 (with 2 fillers)	6-1553391-1	6-1553391-2	6-1553391-4	6-1553391-5	6-1553391-3
48	4 x 12 (with 1 filler)	6-1553392-1	6-1553392-2	6-1553392-4	6-1553392-5	6-1553392-3
72	6 x 12	6-1553393-1	6-1553393-2	6-1553393-4	6-1553393-5	6-1553393-3
96	8 x 12	6-1553394-1	6-1553394-2	6-1553394-4	6-1553394-5	6-1553394-3
144	12 x 12	6-1553395-1	6-1553395-2	6-1553395-4	6-1553395-5	6-1553395-3
216	18 x 12	6-1553440-1	6-1553440-2	6-1553440-4	6-1553440-5	6-1553440-3

Armored Part Numbers:

Fiber Count	Units x Fibers/Unit	62.5/125µm	50/125µm	50/125µm OM3	50/125µm OM4	Single-mode
4	1 x 4	6-1553396-1	6-1553396-2	6-1553396-4	6-1553396-5	6-1553396-3
6	1 x 6	6-1553397-1	6-1553397-2	6-1553397-4	6-1553397-5	6-1553397-3
8	1 x 8	6-1553398-1	6-1553398-2	6-1553398-4	6-1553398-5	6-1553398-3
12	1 x 12	6-1553399-1	6-1553399-2	6-1553399-4	6-1553399-5	6-1553399-3
24	2 x 12 (with 3 fillers)	6-1553400-1	6-1553400-2	6-1553400-4	6-1553400-5	6-1553400-3
36	3 x 12 (with 2 fillers)	6-1553401-1	6-1553401-2	6-1553401-4	6-1553401-5	6-1553401-3
48	4 x 12 (with 1 filler)	6-1553402-1	6-1553402-2	6-1553402-4	6-1553402-5	6-1553402-3
72	6 x 12	6-1553403-1	6-1553403-2	6-1553403-4	6-1553403-5	6-1553403-3
96	8 x 12	6-1553404-1	6-1553404-2	6-1553404-4	6-1553404-5	6-1553404-3
144	12 x 12	6-1553405-1	6-1553405-2	6-1553405-4	6-1553405-5	6-1553405-3

Fiber Optic Outside Plant Cables (4 - 144 Fibers)



Hybrid Outdoor Cables:

Total Number of Fibers	OSP (dielectric) or OSPA (armored)	Number of Single-mode Fibers	Number of 50/125µm OM2 Fibers	Number of 50/125µm OM3 Fibers	Number of 50/125µm OM4 fibers	Number of 62.5/125µm Fibers	Part Number
12	OSP	6	-	6	-	-	2111077-1
18	OSPA	6	12	-	-	-	1499599-1
24	OSP	12	12	-	-	-	1553484-8
24	OSP	12	-	12	-	-	2111078-1
24	OSP	12	-	-	12	-	1499948-1
24	OSP	12	-	-	-	12	4-1664208-5
24	OSPA	12	-	-	12	-	1499951-1
24	OSPA	12	-	12	-	-	2111084-1
36	OSP	12	-	-	-	24	4-1664209-5
48	OSP	24	-	-	24	-	4-1664420-5
48	OSPA	24	24	-	-	-	1553296-1
48	OSP	24	-	-	-	24	1553602-8
72	OSP	24	-	-	-	48	4-1664210-5
96	OSP	48	-	48	-	-	1777230-1
96	OSP	72	-	-	-	24	1777205-1
96	OSP	72	-	-	24	-	1777231-1
96	OSPA	48	48	-	-	-	1553503-8
96	OSPA	48	-	48	-	-	1553504-8
192	OSP	96	-	96	-	-	1777229-1

Note: Hybrid cables shall be constructed in order of core size from smallest to largest. (i.e. single-mode fibers taking the first positions, followed by 50/125µm then 62.5/125µm).

Fiber Optic Outside Plant Cables (4 - 144 Fibers)



Performance Specifications:

AMP NETCONNECT outside plant cables are designed and tested in accordance with TIA 568, ISO 11801, ICEA 640, and Telcordia GR-20-CORE. Performance specifications are measured in accordance with the Fiber Optic Test Procedures (EIA/TIA-455 documents) and the test procedures of IEC 60793 and IEC 60794.

Mechanical Specifications:

Cable Type	Fiber Count (tubes x fibers per tube)	Cable O.D. mm (in)	Tube O.D. mm (in)	Nominal Weight kg/km (lbs/1000ft)	Rated Tensile Load		Minimum Bend Radius	
					Install N (lbf)	Long Term N (lbf)	Install mm (in)	Long Term mm (in)
Dielectric	4 (1 x 4)	8.3±0.8 (0.33±0.03)	4.1±0.2 (0.16±0.01)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	6 (1 x 6)	8.3±0.8 (0.33±0.03)	4.1±0.2 (0.16±0.01)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	8 (1 x 8)	8.3±0.8 (0.33±0.03)	4.1±0.2 (0.16±0.01)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	12 (1 x 12)	8.3±0.8 (0.33±0.03)	4.1±0.2 (0.16±0.01)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	24 (2 x 12 with 3 fillers)	11.0±1.6 (0.43±0.06)	2.7±0.4 (0.11±0.02)	100 (67)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	36 (3 x 12 with 2 fillers)	11.0±1.6 (0.43±0.06)	2.7±0.4 (0.11±0.02)	93 (62)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	48 (4 x 12 with 1 fillers)	11.0±1.6 (0.43±0.06)	2.7±0.4 (0.11±0.02)	97 (65)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	72 (6 x 12)	11.7±1.7 (0.46±0.06)	2.7±0.4 (0.11±0.02)	130 (87)	2670 (600)	890 (200)	252 (9.9)	126 (5.0)
	96 (8 x 12)	13.2±1.8 (0.52±0.07)	2.7±0.4 (0.11±0.02)	158 (106)	2670 (600)	890 (200)	287 (11.3)	144 (5.6)
	144 (12 x 12)	16.9±1.8 (0.67±0.07)	2.7±0.4 (0.11±0.02)	252 (169)	2670 (600)	890 (200)	364 (14.3)	182 (7.2)
Armored	216 (18 x 12)	17.3±2.2 (0.68±0.08)	2.7±0.4 (0.11±0.02)	264 (177)	2670 (600)	890 (200)	376 (14.8)	188 (7.4)
	4 (1 x 4)	10.9±1.7 (0.43±0.06)	3.7±0.9 (0.14±0.04)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	6 (1 x 6)	10.9±1.7 (0.43±0.06)	3.7±0.9 (0.14±0.04)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	8 (1 x 8)	10.9±1.7 (0.43±0.06)	3.7±0.9 (0.14±0.04)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	12 (1 x 12)	10.9±1.7 (0.43±0.06)	3.7±0.9 (0.14±0.04)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	24 (2 x 12 with 3 fillers)	13.8±2.8 (0.54±0.11)	2.7±0.4 (0.11±0.02)	214 (144)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	36 (3 x 12 with 2 fillers)	13.8±2.8 (0.54±0.11)	2.7±0.4 (0.11±0.02)	218 (146)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	48 (4 x 12 with 1 fillers)	13.8±2.8 (0.54±0.11)	2.7±0.4 (0.11±0.02)	223 (150)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	72 (6 x 12)	14.7±2.9 (0.58±0.11)	2.7±0.4 (0.11±0.02)	265 (178)	2670 (600)	890 (200)	335 (13.2)	167 (6.6)
	96 (8 x 12)	16.3±3.1 (0.64±0.12)	2.7±0.4 (0.11±0.02)	307 (206)	2670 (600)	890 (200)	378 (14.9)	189 (7.4)
Armored	144 (12 x 12)	20.0±3.2 (0.79±0.13)	2.7±0.4 (0.11±0.02)	498 (335)	2670 (600)	890 (200)	455 (17.9)	228 (9)

Fiber Optic Outside Plant Cables (4 - 144 Fibers)



Performance Characteristics:

	62.5/125µm (850nm/1300nm)	50/125µm (850nm/1300nm)	50/125µm OM3 (850nm/1300nm)	50/125µm OM4 (850nm/1300nm)	Single-mode (1310nm/1550nm)
Maximum Attenuation	3.5/1.2 dB/km	3.5/1.5 dB/km	3.2/1.2 dB/km	3.2/1.2 dB/km	0.4/0.3dB/km
OFL Bandwidth	200/500 MHz-km	500/500 MHz-km	1500/500 MHz-km	3500/500 MHz-km	Not Applicable
850nm Effective Modal Bandwidth	Not Applicable	Not Applicable	2000 MHz-km	4700 MHz-km	Not Applicable
10 Gigabit Ethernet at 850nm Maximum Distance	33m	82m	300m	550m	Not Applicable
Fiber Specification	TIA-492AAAA IEC 60793-2-10 A1b	TIA-492AAAB IEC 60793-2-10 A1a.1	TIA-492AAAC IEC 60793-2-10 A1a.2	TIA-492AAAD IEC 60793-2-10 A1a.3	TIA-492CAAB ITU-T G.652.D

Temperature Ratings:

Operation	Installation	Storage/Shipping
-40°C to +70°C (-40°F to +158°F)	-30°C to +60°C (-22°F to +140°F)	-40°C to +70°C (-40°F to +158°F)

U.S.A. 1-800-553-0938
Canada 905-475-6222
Mexico 52-55-1106-0800
South and Central Americas 54-11-4733-2200
On the web: <http://www.ampnetconnect.com/>
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Specification	114-92003	Revision	E	Date	12/8/2010	Page	5 of 5
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