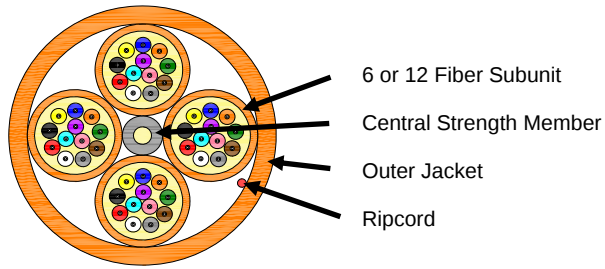


Fiber Optic Distribution Cables (6 - 144 Fibers)



Single Unit Cable
6-24 Fiber



Multi-Unit Cable
24-144 Fiber

Description:

AMP NETCONNECT distribution cables are designed for routing between communications closets, as intra-building backbone cables and for connectorized communication cables. Distribution cables are all-dielectric and consist of 900µm tight buffered fibers surrounded by aramid yarn strength members and a flexible thermoplastic outer jacket. Twenty-four, and higher fiber count constructions have two or more subunits and a central strength member (24 fiber side by side constructions do not have a central strength member). The cables are available in Riser and Plenum constructions with single-mode OS2 B1.3 (Low Water Peak), 62.5/125 µm OM1, 50/125 µm OM2, 50/125 µm OM3, or 50/125 µm OM4 fiber. Standard jacket colors are orange for 62.5/125 µm OM1 and 50/125 µm OM2, aqua for 50/125 µm OM3 and 50/125 µm OM4, and yellow for single-mode OS2. Other jacket colors are available upon request.

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-409-CORE and ICEA-596 Standards. All cables have UL or ETL fire safety listings to either OFNR (UL-1666/CSA FT-4) or OFNP (NFPA-262/UL 910/CSA FT-6).

Cable Print:

Cables will be marked every two feet with:

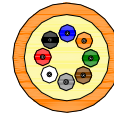
AMP NETCONNECT OPTICAL CABLE <fiber count> <fiber type> <flame rating> MM/YY SO<shop order number> XXXXX FEET

Fiber Optic Distribution Cables (6 - 144 Fibers)



Part Numbers:

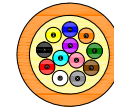
Fiber Count	Units X Fibers/Unit	Flame Rating	Fiber Type	Jacket Color	Part Number
6	1 X 6	Riser	62.5/125 µm OM1	Orange	1-1553307-1
			50/125 µm OM2	Orange	1-1553307-2
			50/125 µm OM3	Aqua	3-1553307-9
			50/125 µm OM4	Aqua	4-1553307-9
			Single-mode OS2	Yellow	7-1553307-3
			62.5/125 µm OM1	Orange	1-1553308-1
				Green	2-1553308-1
				Red	5-1553308-1
				Black	6-1553308-1
				Yellow	7-1553308-1
				Violet	8-1553308-1
				Orange	1-1553308-2
				Blue	1553308-2
				Brown	3-1553308-2
				Slate	4-1553308-2
			50/125 µm OM2	Red	5-1553308-2
				Yellow	7-1553308-2
				Violet	8-1553308-2
				Rose	9-1553308-2
				Aqua	1-1553308-9
				Aqua	3-1553308-9
			50/125 µm OM3	Orange	1-1553308-4
				Aqua	4-1553308-9
			50/125 µm OM4	Yellow	7-1553308-3
				Slate	4-1553308-3
			Single-mode OS2	White	2-1553308-8
8	1 X 8	Riser	62.5/125 µm OM1	Orange	1-1553309-1
			50/125 µm OM2	Orange	1-1553309-2
			50/125 µm OM3	Aqua	3-1553309-9
				Orange	1-1553309-4
			50/125 µm OM4	Aqua	4-1553309-9
			Single-mode OS2	Yellow	7-1553309-3
		Plenum	62.5/125 µm OM1	Orange	1-1553310-1
			50/125 µm OM2	Orange	1-1553310-2
			50/125 µm OM3	Aqua	3-1553310-9
			50/125 µm OM4	Aqua	4-1553310-9
			Single-mode OS2	Yellow	7-1553310-3



Fiber Optic Distribution Cables (6 - 144 Fibers)



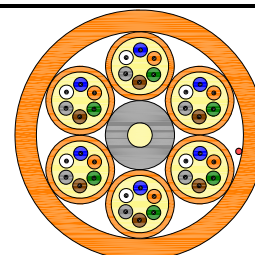
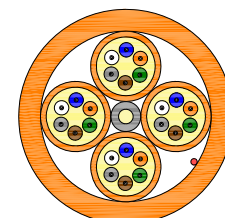
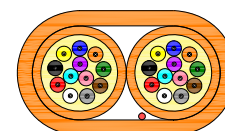
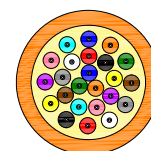
Fiber Count	Units X Fibers/Unit	Flame Rating	Fiber Type	Jacket Color	Part Number
12	1 X12	Riser	62.5/125 µm OM1	Orange	1-1553311-1
			50/125 µm OM2	Orange	1-1553311-2
			50/125 µm OM3	Aqua	3-1553311-9
				Blue	1553311-4
			50/125 µm OM4	Aqua	4-1553311-9
			Single-mode OS2	Yellow	7-1553311-3
		Plenum	62.5/125 µm OM1	Orange	1-1553312-1
			50/125 µm OM2	Orange	1-1553312-2
				Blue	1553312-2
				Brown	3-1553312-2
				Slate	4-1553312-2
			50/125 µm OM3	Red	5-1553312-2
				Yellow	7-1553312-2
				Violet	8-1553312-2
				Rose	9-1553312-2
			50/125 µm OM4	Aqua	1-1553312-9
				Aqua	3-1553312-9
				Blue	1553312-4
				Red	5-1553312-4
		Single-mode OS2	50/125 µm OM4	Aqua	4-1553312-9
				Orange	1-1553312-5
			Single-mode OS2	Black	6-1553312-5
				Yellow	7-1553312-3
			Single-mode OS2	Slate	4-1553312-3
				Red	5-1553312-3
			Single-mode OS2	Black	6-1553312-3



Fiber Optic Distribution Cables (6 - 144 Fibers)



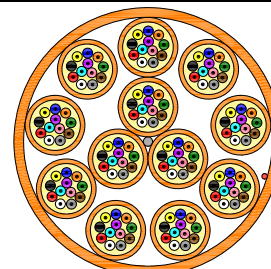
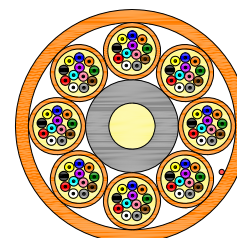
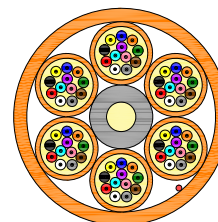
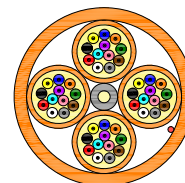
Fiber Count	Units X Fibers/Unit	Flame Rating	Fiber Type	Jacket Color	Part Number
24	1 X24	Riser	62.5/125 µm OM1	Orange	1-1553313-1
			50/125 µm OM2	Orange	1-1553313-2
			50/125 µm OM3	Aqua	3-1553313-9
			50/125 µm OM4	Aqua	4-1553313-9
			Single-mode OS2	Yellow	7-1553313-3
			62.5/125 µm OM1	Orange	1-1553314-1
		Plenum	50/125 µm OM2	Orange	1-1553314-2
			Aqua	3-1553314-9	
			Orange	1-1553314-4	
			Green	2-1553314-4	
			Red	5-1553314-4	
			Aqua	4-1553314-9	
			Orange	1-1553314-5	
			Brown	3-1553314-5	
			50/125 µm OM4	Red	5-1553314-5
			Black	6-1553314-5	
			Yellow	7-1553314-5	
			Violet	8-1553314-5	
			Single-mode OS2	Yellow	7-1553314-3
			Single-mode OS2	Yellow	7-1553314-3
24	2 X12	Riser	62.5/125 µm OM1	Orange	1-1553315-1
			50/125 µm OM2	Orange	1-1553315-2
			50/125 µm OM3	Aqua	3-1553315-9
			50/125 µm OM4	Aqua	4-1553315-9
			Single-mode OS2	Yellow	7-1553315-3
		Plenum	62.5/125 µm OM1	Orange	1-1553316-1
			50/125 µm OM2	Orange	1-1553316-2
			50/125 µm OM3	Aqua	3-1553316-9
			50/125 µm OM4	Aqua	4-1553316-9
			Single-mode OS2	Yellow	7-1553316-3
24	4 X6	Riser	62.5/125 µm OM1	Orange	1-1553317-1
			50/125 µm OM2	Orange	1-1553317-2
			50/125 µm OM3	Aqua	3-1553317-9
			50/125 µm OM4	Aqua	4-1553317-9
			Single-mode OS2	Yellow	7-1553317-3
		Plenum	62.5/125 µm OM1	Orange	1-1553318-1
			50/125 µm OM2	Orange	1-1553318-2
			50/125 µm OM3	Aqua	3-1553318-9
			50/125 µm OM4	Aqua	4-1553318-9
			Single-mode OS2	Yellow	7-1553318-3
36	6 X6	Riser	62.5/125 µm OM1	Orange	1-1553319-1
			50/125 µm OM2	Orange	1-1553319-2
			50/125 µm OM3	Aqua	3-1553319-9
			50/125 µm OM4	Aqua	4-1553319-9
			Single-mode OS2	Yellow	7-1553319-3
		Plenum	62.5/125 µm OM1	Orange	1-1553320-1
			50/125 µm OM2	Orange	1-1553320-2
			50/125 µm OM3	Aqua	3-1553320-9
			50/125 µm OM4	Aqua	4-1553320-9
			Single-mode OS2	Yellow	7-1553320-3



Fiber Optic Distribution Cables (6 - 144 Fibers)



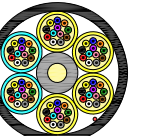
Fiber Count	Units X Fibers/Unit	Flame Rating	Fiber Type	Jacket Color	Part Number
48	4 X12	Riser	62.5/125 µm OM1	Orange	1-1553321-1
			50/125 µm OM2	Orange	1-1553321-2
			50/125 µm OM3	Aqua	3-1553321-9
			50/125 µm OM4	Aqua	4-1553321-9
			Single-mode OS2	Yellow	7-1553321-3
		Plenum	62.5/125 µm OM1	Orange	1-1553322-1
			50/125 µm OM2	Orange	1-1553322-2
				Aqua	3-1553322-9
			50/125 µm OM3	Green	2-1553322-4
				Red	5-1553322-4
			50/125 µm OM4	Aqua	4-1553322-9
				Black	6-1553322-5
			Single-mode OS2	Yellow	7-1553322-3
72	6 X12	Riser	62.5/125 µm OM1	Orange	1-1553323-1
			50/125 µm OM2	Orange	1-1553323-2
			50/125 µm OM3	Aqua	3-1553323-9
			50/125 µm OM4	Aqua	4-1553323-9
			Single-mode OS2	Yellow	7-1553323-3
		Plenum	62.5/125 µm OM1	Orange	1-1553324-1
			50/125 µm OM2	Orange	1-1553324-2
				Aqua	3-1553324-9
				Blue	1553324-4
			50/125 µm OM3	Green	2-1553324-4
				Red	5-1553324-4
				Yellow	7-1553324-4
			50/125 µm OM4	Aqua	4-1553324-9
			Single-mode OS2	Yellow	7-1553324-3
96	8 X12	Riser	62.5/125 µm OM1	Orange	1-1553325-1
			50/125 µm OM2	Orange	1-1553325-2
			50/125 µm OM3	Aqua	3-1553325-9
			50/125 µm OM4	Aqua	4-1553325-9
			Single-mode OS2	Yellow	7-1553325-3
		Plenum	62.5/125 µm OM1	Orange	1-1553326-1
			50/125 µm OM2	Orange	1-1553326-2
			50/125 µm OM3	Aqua	3-1553326-9
			50/125 µm OM4	Aqua	4-1553326-9
			Single-mode OS2	Yellow	7-1553326-3
144	12 X12	Riser	62.5/125 µm OM1	Orange	1-1553327-1
			50/125 µm OM2	Orange	1-1553327-2
			50/125 µm OM3	Aqua	3-1553327-9
			50/125 µm OM4	Aqua	4-1553327-9
			Single-mode OS2	Yellow	7-1553327-3
		Plenum	62.5/125 µm OM1	Orange	1-1553328-1
			50/125 µm OM2	Orange	1-1553328-2
			50/125 µm OM3	Aqua	3-1553328-9
			50/125 µm OM4	Aqua	4-1553328-9
			Single-mode OS2	Yellow	7-1553328-3
				Black	6-1553328-3



Fiber Optic Distribution Cables (6 - 144 Fibers)



Hybrid Distribution Cables:

Fiber Count	Units X Fibers/Unit	Flame Rating	Number Of Fibers	Fiber Type	Outer Jacket Color	Part Number	
8	1 X 8	Riser	4	Single-mode OS2	Black	1553471-8	
			4	50/125 μm OM3			
12	1 X 12	Plenum	4	Single-mode OS2	Black	1553263-8	
			8	50/125 μm OM2			
		Plenum	6	Single-mode OS2	Aqua	3-1664404-9	
			6	50/125 OM3			
24	4 X 6	Riser	12	Single-mode OS2	Orange	4-1664086-1	
			12	62.5/125 μm OM1			
		Plenum	12	Single-mode OS2	Orange	4-1664087-1	
			12	62.5/125 μm OM1			
24	2 X12	Riser	12	Single-mode OS2	Orange	4-1664084-1	
			12	62.5/125 μm OM1			
		Plenum	12	Single-mode OS2	Orange	4-1664085-1	
			12	62.5/125 μm OM1			
24	2 X 12	Plenum	12	Single-mode OS2	Aqua	3-1664406-9	
			12	50/125 OM3			
36	6 X 6	Riser	12	Single-mode OS2	Orange	4-1664088-1	
			24	62.5/125 μm OM1			
		Plenum	12	Single-mode OS2	Orange	4-1664089-1	
			24	62.5/125 μm OM1			
72	6 X 12	Riser	24	Single-mode OS2	Orange	4-1664090-1	
			48	62.5/125 μm OM1			
		Plenum	24	Single-mode OS2	Orange	4-1664091-1	
			48	62.5/125 μm OM1			
			48	Single-mode OS2	Black	1553334-8	
			24	50/125 μm OM3			

Note: Hybrid cables are constructed in order of core size from smallest to largest (single-mode fibers taking the first positions, followed by multimode). Single-mode subunits will have a yellow subunit jacket. Multimode OM1 and OM2 subunits will have an orange subunit jacket. Multimode OM3 and OM4 subunits will have an aqua jacket.

Fiber Optic Distribution Cables (6 - 144 Fibers)



Performance Specifications:

AMP NETCONNECT tight-buffered distribution cables are designed and tested in accordance with TIA 568, ISO 11801, ICEA 596, Telcordia GR-409-CORE and UL 1666/901. 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:

Fiber Count (units x fibers/unit)	Flame Rating	O.D. mm (in)	Sub Unit O.D. mm (in)	Minimum Bend Radius		Nominal Weight kg/km (lbs/1000ft)	Rated Tensile Load	
				Install mm (in)	Long Term mm (in)		Install N (lbf)	Long Term N (lbf)
6 (1x6)	OFNR	5.2±1.0 (0.20±.04)	N/A	114 (4.5)	57 (2.2)	29 (19)	660 (150)	198 (45)
	OFNP	4.8±0.9 (0.19±.04)		110 (4.3)	55 (2.2)	24 (16)	440 (100)	132 (30)
8 (1x8)	OFNR	5.7±1.4 (0.22±.05)	N/A	136 (5.4)	68 (2.7)	24 (16)	660 (150)	198 (45)
	OFNP	5.0±0.8 (0.20±.03)		110 (4.3)	55 (2.2)	26 (17)	440 (100)	132 (30)
12 (1x12)	OFNR	6.0±0.8 (0.24±.03)	N/A	128 (5)	64 (2.5)	37 (25)	660 (150)	198 (45)
	OFNP	5.7±0.9 (0.23±.04)		128 (5)	64 (2.5)	46 (31)	440 (100)	132 (30)
24 (1x24)	OFNR	8.0±1.2 (0.31±.05)	N/A	178 (7)	89 (3.5)	61 (41)	1320 (300)	396 (90)
	OFNP	7.7±1.0 (0.30±.04)		168 (6.6)	84 (3.3)	69 (46)	660 (150)	198 (45)
24 (2x12)	OFNR	7.4±1.2 x 13.0±1.9 (0.29±.05 x 0.51±.07)	5.6±0.7 (0.22±.03)	284 (11.2)	142 (5.6)	87 (58)	1320 (300)	396 (90)
	OFNP	7.0±0.8 x 12.4±1.3 (0.28±.03 x 0.49±.05)	5.4±0.4 (0.21±.02)	264 (10.4)	132 (5.2)	92 (62)	660 (150)	198 (45)
24 (4x6)	OFNR	13.4±0.8 (0.53±.03)	4.4±0.6 (0.17±.02)	275 (10.8)	137 (5.4)	180 (121)	1320 (300)	396 (90)
	OFNP	13.3±0.5 (0.52±.02)	4.4±0.4 (0.17±.01)	266 (10.5)	133 (5.2)	200 (134)	660 (150)	198 (45)
36 (6x6)	OFNR	16.4±1.3 (0.65±.05)	4.4±0.6 (0.17±.02)	342 (13.5)	171 (6.7)	220 (148)	1320 (300)	396 (90)
	OFNP	16.0±0.9 (0.63±.03)	4.4±0.4 (0.17±.01)	327 (12.9)	164 (6.4)	255 (171)	660 (150)	198 (45)
48 (4x12)	OFNR	16.0±2.0 (0.63±.08)	5.6±0.7 (0.22±.03)	350 (13.8)	175 (6.9)	250 (168)	1320 (300)	396 (90)
	OFNP	15.2±0.9 (0.60±.04)	5.4±0.4 (0.21±.02)	312 (12.3)	156 (6.1)	202 (136)	660 (150)	198 (45)
72 (6x12)	OFNR	18.9±0.9 (0.75±.03)	5.4±0.4 (0.21±.02)	386 (15.2)	193 (7.6)	301 (202)	1320 (300)	396 (90)
	OFNP	18.5±1.3 (0.73±.05)	5.4±0.4 (0.21±.02)	386 (15.2)	193 (7.6)	316 (212)	660 (150)	198 (45)
96 (8x12)	OFNR	22.8±0.9 (0.90±.03)	5.4±0.4 (0.21±.02)	462 (18.2)	231 (9.1)	433 (291)	1320 (300)	396 (90)
	OFNP	22.0±0.9 (0.86±.04)	5.4±0.4 (0.21±.02)	448 (17.6)	224 (8.8)	466 (313)	660 (150)	198 (45)
144 (12x12)	OFNR	24.8±1.4 (0.98±.06)	5.4±0.4 (0.21±.02)	514 (20.2)	257 (10.1)	461 (310)	1320 (300)	396 (90)
	OFNP	24.2±2.0 (0.95±.08)	5.4±0.4 (0.21±.02)	514 (20.2)	257 (10.1)	474 (319)	660 (150)	198 (45)

Fiber Optic Distribution Cables (6 - 144 Fibers)



Performance Characteristics:

	62.5/125 μ m OM1 (850nm/1300nm)	50/125 μ m OM2 (850nm/1300nm)	50/125 μ m OM3 (850nm/1300nm)	50/125 μ m OM4 (850nm/1300nm)	Single-mode OS2 B1.3 (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	0.5/0.5dB/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 IEC 60793-2-50 B1.3

Temperature Ratings:

UL/NEC Rating	Operation	Installation	Storage/Shipping
Plenum (OFNP)	0°C to +70°C (+32°F to +158°F)	0°C to +60°C (+32°F to +140°F)	-40°C to +70°C (-40°F to +158°F)
Riser (OFNR)	-20°C to +70°C (-4°F to +158°F)	-10°C to +60°C (14°F to +140°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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