

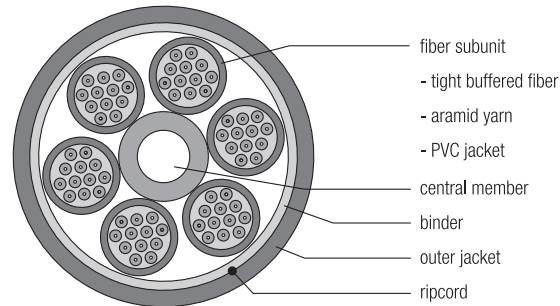
Indoor/Outdoor Multi-unit Plenum Tight Buffered Cable

AFL now offers high fiber count Indoor/Outdoor Plenum Cables. Designs are based on water-blocked 12-fiber sub-units that are helically stranded to provide sub-unitized cables ranging from 36 to 72 fiber counts. These cables are OFNP listed for indoor and indoor/outdoor applications. Both the sub-unit jackets and outer sheath contain a UV stabilizer and anti-fungus protection for use in outdoor applications. Sub-units contain a water-swellaible aramid and 12 tight buffered fibers.

Features

- Water-blocked sub-units meet water penetration requirements of GR-20-CORE (this helps ensure that any damage to the cable is restricted to a repairable length of several meters)
- Outer jacket is moisture-resistant, fungus-resistant and UV-resistant for outdoor use
- Riser-rated for use in all environments: General inside plant and outside plant
- Sub-units are tested to meet or exceed EIA/TIA 568-A/GR-409-CORE and ICEA-S-104-696
- Compliant to Directive 2002/95/EC (RoHS)

Cable Components



Fiber Specifications

CORE SIZE/FIBER TYPE	ISO/IEC	MAXIMUM ATTENUATION (DB/KM)			OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM)		EMB _C (MHZ•KM)	GIGABIT ETHERNET MIN. LINK DISTANCE (METERS)		10 GIGABIT ETHERNET MIN. LINK DISTANCE (METERS)	
		850 NM	1300 NM	1550 NM	850 NM	1300 NM		850 NM	1300 NM	850 NM	1300 NM
		(6) 62.5 Giga-Link™ 300	OM1	3.5	1.2	N/A		200	600	N/A	300
(5) 50 Giga-Link™ 600	OM2	3.5	1.5	N/A	500	500	N/A	600	600	82	—
(L) 50 Laser-Link 300	OM3	3	1.2	N/A	1,500	500	2,000	1,000	550	300	—
(C) 50 Laser-Link 550	OM4	3	1.2	N/A	3,500	500	4,700	1,040	550	550	—
(W) AFL Wideband Multimode	OM5	3	1.2	N/A	3,500	500	4,700	1,040	550	550	—
(9) Single-mode (ITU G.652.D/G.657.A1)	OS2	N/A	0.5	0.5	N/A	N/A	N/A	N/A	5,000	N/A	10,000

Temperature Specifications

TEMPERATURE RANGE	
INSTALLATION	-20°C to +75°C
OPERATING	-40°C to +75°C
STORAGE	-40°C to +75°C



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Mechanical Data

CABLE TYPE	AFL NO.	FIBER COUNT	NOMINAL DIAMETER	WEIGHT	TENSION		BENDING RADIUS	
			INCHES (MM)		LBS/1000 FT (KG/KM)	LBS (N)		INCHES (CM)
	PLENUM		INSTALLATION	LONG TERM	INSTALLATION	LONG TERM		
Indoor/Outdoor Tight Buffered Cable	KQ036★591##1	36	0.62 (15.7)	155 (225)	300 (1320)	90 (396)	9.3 (23.6)	6.2 (15.7)
	KQ048★591##1	48	0.68 (17.2)	190 (280)	300 (1320)	90 (396)	10.2 (25.8)	6.8 (17.2)
	KQ060★591##1	60	0.75 (19.0)	240 (350)	300 (1320)	90 (396)	11.3 (28.5)	7.5 (19.0)
	KQ072★591##1	72	0.82 (20.8)	290 (430)	300 (1320)	90 (396)	12.3 (31.2)	8.2 (20.8)

★ Fiber Types – Replace asterisk (★) in AFL number with number in the Fiber Specifications table on previous page.

Outer Jacket Color – Replace hashtag (#) in AFL number with number in the Cable Jacket Color table below.

Cable Jacket Color Options

1 - Blue	8 - Black
2 - Orange	9 - Yellow
3 - Green	A - Violet
4 - Brown	B - Rose
5 - Slate	C - Aqua
6 - White	K - Erika Violet (RAL 4003)
7 - Red	

Cable Length - Reel Size

ITEM	REEL F	REEL G
Reel Height (inches)	42	60
Reel Outside Width (inches)	36	36
Drum Diameter (inches)	23	30
Reel Weight (lbs)	148	287
CAPACITY: METERS (FEET)		
36 Fibers	1,700 (5,577)	2,500 / (8,200)
48 Fibers	1,500 (4,921)	2,500 / (8,200)
60 Fibers	1,200 (3,937)	2,400 / (7,874)
72 Fibers	1,000 (3,280)	2,100 / (6,890)