

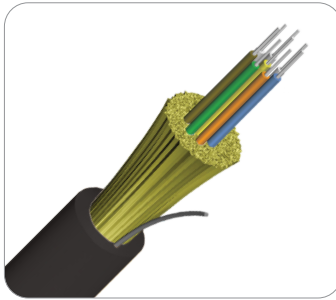


**Manufacturer:**  
AFL

**Product Name:**  
AFL 24 Fiber I/O Tight Buffer Plenum 50 MM

**Manufacturer Part Number:**  
KQ0245821801

▶ [Click here for more details on the AFL 24 Fiber I/O Tight Buffer Plenum 50 MM](#)



### Indoor/Outdoor Plenum Distribution Cable

Indoor/Outdoor Plenum Distribution cables are specified for campus network cabling between buildings where interbuilding lengths are short enough that the installer can recognize savings from the lower costs of terminating tight buffered cables.

For indoor applications the cable is ONFP listed. For outdoor applications the cable is manufactured with an outer jacket that incorporates a UV stabilizer for protection against exposure to the sun plus an anti-fungus protection for use in underground applications.

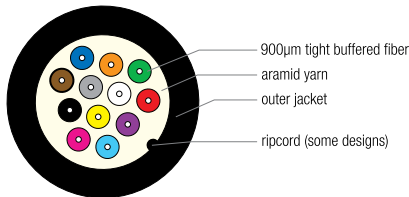
#### Features

- Available with 2 to 24 fibers
- Water-blocked jacket protects fibers
- Moisture-resistant, fungus-resistant and UV-resistant outer jacket

#### Applications

- ONFP inside plant and outside plant environments
- Underground applications
- Building Interconnections (Campus LAN)

#### Cable Components



Premise Cable

#### Fiber Specifications

CORE SIZE/FIBER TYPE	ISO/IEC	MAXIMUM ATTENUATION (dB/km)			OVERFILL LAUNCH MIN. BANDWIDTH (MHz•km)		EMB <sub>c</sub> (MHz•km)	GIGABIT ETHERNET MAX. LINK DISTANCE (meters)		10 GIGABIT ETHERNET MAX. 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

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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Premise Cable

## Indoor/Outdoor Plenum Distribution Cable

### Mechanical Data

AFL NO.	FIBER COUNT	DIAMETER inches (mm)	WEIGHT		TENSILE STRENGTH lbs (N)		BEND RADIUS inches (cm)	
			lbs/1000ft (kg/km)		INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
KQ002*461#01	2	0.18 (4.6)	15 (22)		150 (667)	45 (200)	2.7 (6.9)	1.8 (4.6)
KQ004*501#01	4	0.20 (5.0)	17 (26)		150 (667)	45 (200)	3.0 (7.5)	2.0 (5.0)
KQ006*541#01	6	0.21 (5.4)	20 (30)		150 (667)	45 (200)	3.2 (8.1)	2.1 (5.4)
KQ012*611#01	12	0.24 (6.1)	27 (40)		150 (667)	45 (200)	3.6 (9.1)	2.4 (6.1)
KQ024*791#01	24	0.31 (7.9)	46 (69)		150 (667)	45 (200)	4.7 (11.9)	3.1 (7.9)

\* 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	

### Qualifications

GOVERNING BODY	STANDARD CODE	COMPONENT
Telcordia	GR-20-CORE GR-409-CORE	Water-Blocked Cabled Buffer Tube Core Weatherized Cable
EIA/TIA	568	Cable
ICEA	S-104-696	Cable
RoHS	REACH	Cable

### Temperature Specifications

TEMPERATURE RANGE	
INSTALLATION	0°C to +70°C
OPERATION	-40°C to +70°C
STORAGE	-40°C to +70°C

**Contact AFL for further details.**

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