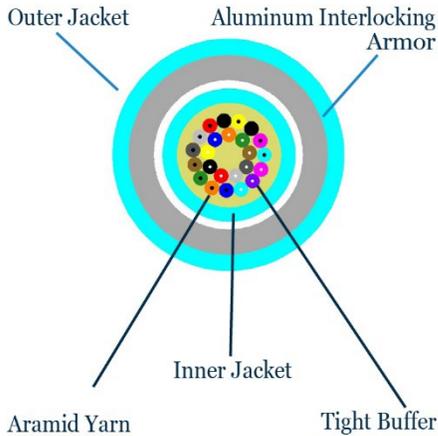


Armored Indoor Distribution Tight Buffered Plenum



Features

- 900µm Tight Buffers
- Provides superior crush resistance for added protection
- Eliminates the need for inner duct or conduit thus saving installation time
- OFCP rating allow AIA products to be installed throughout the facility
- R&M Freenet Warranty
- Made in USA
-

General Description

The R&M 2 to 24 fiber Tight Buffered Aluminum Interlocking Armored cable consists of a PVC overall jacket, PVC inner jacket with a standard TLC 2 to 24 fiber Distribution or Indoor/Outdoor core cable, The core cable is protected by a spirally-wrapped aluminum strip that offers easy installation and high crush resistance.

R&M Tight Buffered AIA Cable is available in 12 TIA standard colors or special-order colors. UL Listed OFCP cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers.

PRODUCT-NO	PRODUCT DESCRIPTION	# Strands
Singlemode OS2 Yellow		
890626	FO Cable OS2 12F ARM(AIA) Tight Buffered OFCP	12 Fiber Strands
890627	FO Cable OS2 24F ARM(AIA) Tight Buffered OFCP	24 Fiber Strands
Multimode OM4 Aqua		
890622	FOCable OM4 12F ARM(AIA) Tight Buffered OFCP AQ	12 Fiber Strands
890624	FOCable OM4 24F ARM(AIA) Tight Buffered OFCP AQ	24 Fiber Strands

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Fire Properties

DESCRIPTION	Flame Rating
Plenum	NFPA 262

Specifications

DESCRIPTION	VALUE / VALUE RANGE
Storage Temperature	-40°C to + 70°C (-40°F to + 158°F)
Operating Temperature	0°C to + 70°C (32°F to + 158°F)
Fiber Count	12 - 24
Strength Member	Aramid Yarn
Overall Jacket Material	Poly Vinyl Chloride
Inner Jacket Material	Poly Vinyl Chloride
Armoring Material	Aluminum

Dimensions

DESCRIPTION	VALUE (12/24 fiber count)
Nominal Outer Diameter (mm)	14.7 / 16.2
Minimum Bend Radius (cm)	29.4 / 32.4
Weight (lbs/ km)	434 / 490

Optical Characteristics

Items	Single Mode	OM4 (OM4+)
Core Size [μm]	9	50
Wavelength [nm]	1310/ 1550	850/ 1300
Max. Attenuation[dB/km]	0.5/ 0.4	3.0/ 1.0
Link Length[m]	10,000/5,000 (1/10Gb/s@1550nm)	550(600) (10Gb/s@850nm)
Bandwidth (EMB High Performance) [MHz.km]	-	4,700 @850