

Indoor Plenum Rated Interlocking Armor Cable Specifications

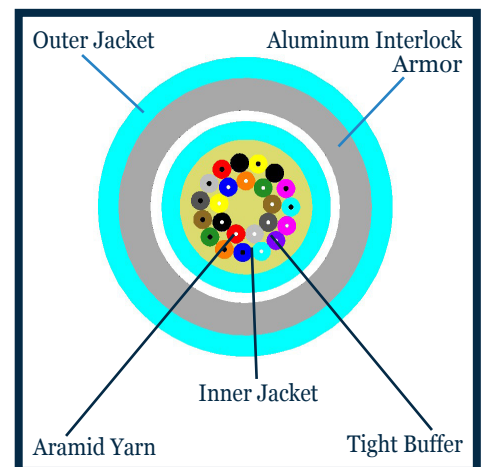
Features and Benefits

- Provides superior crush resistance for added protection
- Eliminates the need for inner duct or conduit thus saving installation time
- OFCP ratings allow AIA products to be installed throughout the facility

Description

This tight Buffered Aluminum Interlocking Armored cable consists of a Plenum Rated PVC overall jacket, PVC inner jacket with a standard 2 to 24 fiber Distribution core cable. The core cable is protected by a spirally-wrapped aluminum strip that offers easy installation and high crush resistance.

Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers.



Application

Plenum
Duct

Flame Rating

NFPA 262



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SPECIFICATIONS

Temperature Range	Indoor	Indoor/Outdoor
Storage Temperature	-40 C to +70 C	-40 C to +70 C
Operating Temperature	0 C to +70 C	-40 C to +70 C

Cable Characteristics	
Fiber Count	2 to 24
Strength Member	Aramid Yarn
Overall Jacket Material	Poly Vinyl Chloride
Inner Jacket Material	Poly Vinyl Chloride
Armoring Material	Aluminum

Mechanical Characteristics	Value (2, 4 / 6 / 8, 12 / 24 fiber count)
Nominal Outer Diameter (mm)	11.6 / 13.0 / 14.7 / 16.2
Bend Radius (cm)	23.2/ 26.0/ 29.4/ 32.4
Weight (lbs/ km)	266/ 303/ 313/ 364/ 388/ 443

Optical Characteristics						
Items	Single Mode	OM1	OM2	OM3	OM4 (OM4+)	OM5 (WB MMF)
Core Size [μm]	9	62.5	50	50	50	50
Wavelength [nm]	1310 / 1550	850 / 1300	850 / 1300	850 / 1300	850 / 1300	850 / 1300
Max. Attenuation[dB/km]	0.5 / 0.4	3.5 / 1.5	3.5 / 1.5	3.0 / 1.0	3.0 / 1.0	3.0 / 1.0
Link Length[m]	10,000/5,000 (1/10Gb/s@1550nm)	300 (1Gb/s@850nm)	150 (10Gb/s@850nm)	300 (10Gb/s@850nm)	550(600) (10Gb/s@850nm)	550 (10Gb/s@850nm)
Bandwidth (EMB High Performance)[MHz.km]	–	220 @850	750@850	2,000 @850	4,700 @850	4,700 @850



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