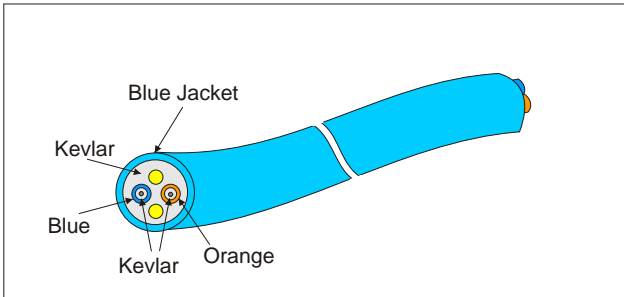


Ruggedized Fiber Optic Cable

General Description:

Two fiber riser breakout cable. The 62.5/125 micron fibers are tight buffered with PVC and individually jacketed with Aramid yarn and a color coded PVC jacket. The 2 breakout elements are standard with 2 Aramid yarn filler members. A polyester tape is wrapped around the cable core and is covered with a PVC jacket. This cable uses laser certified Fiber and may be used in Gigabit Ethernet applications.



Cable Specifications:

1. Optical Fiber Properties:

- Number of Fibers:** 2
- Fiber Type:** Graded Index
- Core Diameter:** 62.5 +/- 3 microns
- CLAD Diameter:** 125 +/- 1 microns
- Primary Coating Diameter:** 245 microns
- Primary Coating Material:** Acrylate
- Secondary Coating Diameter:** 900 microns
- Secondary Coating Material:** PVC
- Attenuation @ 850nm:** 3.5 dB/Km Maximum
- Attenuation @ 1300nm:** 1.0 dB/Km Maximum
- Bandwidth @ 850nm:** 220 MHz-Km Minimum
- Bandwidth @ 1300nm:** 600 MHz-Km Minimum
- Numerical Aperture:** 0.275 Nominal
- Fiber Proof Test:** 100 KPSI

2. Cable Construction:

- Strength Member:** Aramid Yarn (Kevlar)
- Inner Jacket Diameter:** 0.095" (2.4 mm)
- Inner Jacket Material:** (PVC): Blue, Orange
- Fillers:** Aramid Yarn (Kevlar)
- Outer Jacket Diameter:** 0.285 Nom. (7.2 mm)
- Outer Jacket Material:** PVC, LT. Blue

3. Physical Properties:

- Weight:** 25 lbs/1000 ft (37 Kg/Km)
- Max. Load for Installation:** 500 lbs. (2200 Newtons)
- Max. Load for Long Term Application:** 90 lbs. (400 Newtons)
- Min. Bend Radius for Installation:** 5.5" (14 cm)
- Min. Bend Radius for Long Term Application:** 2.75" (7 cm)
- Operating Temperature Range:** -20 Deg. C to +75 Deg. C (-4 to +167 Deg. F) - FOTP 3
- Storage Temperature Range:** -40 Deg. C to +75 Deg. C (-40 to +167 Deg. F) - FOT 3
- Flame Retardance:** OFNR (UL)

4. Maximum Gigabit Ethernet Length:

1000 Base-SX: 300 Meters

MECHANICAL & ENVIRONMENTAL

Crush Resistance	FOTP-41	2000 N/cm
Impact Resistance	FOTP-25	2000 Impacts w/1.6 Nom
Flexure	FOTP-104	2000 Cycles min.
Min. Bend Radius long term	FOTP-33	10x Cable diameter-72mm
Min. Bend Radius short term	FOTP-33	15x Cable diameter-108mm
Short term loading	FOTP-33	496 lbs (2200N)
Operating Temp	FOTP-3	-20 ⁰ to +70 ⁰ C
Storage Temp	FOTP-3	-40 ⁰ to +80 ⁰ C

Safety: UL OFNR - Fiber Optic cable is intrinsically safe.