



Node Cable Assemblies

AFL's Node Cable Assemblies are factory tested to meet stringent installation performance requirements. These assemblies make splicing from an optical node to a closure fast, easy and reliable. This connection is critical to the installation and requires an environmental seal between the cable and the node housing. AFL's assembly comes with a node fitting pre-installed on the cable, featuring an anti-twist design enabling easy mounting without twisting the cable. The mounting thread is an industry standard size of 5/8-24 UNEF.

Node Assemblies from AFL feature loose tube outdoor cable with a water-blocked cable design. An assortment of industry standard connector styles are available such as SC/APC, SC/UPC, FC/APC, FC/UPC and LC/UPC. Standard or custom breakout lengths are available in fiber counts of 1 through 12 terminations and with all fibers color coded for quick/easy fiber identification.

Features

- Field proven, durable, connecting hardware
- High-quality optical terminations meet all geometric and optical performance requirements
- Ordering flexibility; available in standard and custom lengths and connector counts
- Mini-central core type cable ≤12 fibers; stranded cable >12 fibers
- Installed hard-line entry connector with anti-twist design
- Individualized serial numbers for easy identification
- SC/UPC, FC/UPC, SC/APC, FC/APC and LC/UPC
- Rugged polyurethane riser-rated indoor/outdoor loose tube single-mode Uniflex cable or armored polyethylene jacket
- 900 μm or 2.0 mm upjacketed color-coded furcation

Specifications

PARAMETER	VALUE
Operating Temperature °F (°C)	-40 to 158 (-40 to 70)
Storage Temperature °F (°C)	-58 to 158 (-50 to 70)
Crush Resistance lbs (kg)	1000 (453.5 kg)
Impact Resistance	25 lbs @ 2.2 lbs per foot (11.25 kg @ 0.99 kg)
Flexing	25 lbs @ 5 in. (11.25 kg @ 12.7 kg)
Fiber Core Diameter (microns)	8.3
Maximum Insertion Loss (dB)	0.25 (UPC), 0.35 (APC)
UPC Return Loss (dB)	-55
APC Return Loss (dB)	-65
Outer Jacket Material	Riser-rated PU / PE
Finish	Aluminum, Anodized
Cable Pullout Tensile Strength lbs (kg)	247 (112.04)
Entry Threads in.	0.625 x 24
Dimensions in. (cm)	4.25 long x 0.875 diameter (10.8 x 2.22)

COLOR FURCATION - FIBER NUMBER REFERENCE

1	Blue	4	Brown	7	Red	10	Violet
2	Orange	5	Slate	8	Black	11	Rose
3	Green	6	White	9	Yellow	12	Aqua

GROMMET SPECIFICATIONS - STANDARD D

Inner Diameter	0.375"
Active Pull Test	35 lbs
Overall length	45 mm
Hex Nut Size	7/8"
Length from Hex Nut to end of front body	6 mm
Material	Aluminum, Anodized

Ordering Information

ASC	XXX	NC	012	Q	0010	N
Connector End A	Connector End B	Cable Type	Fiber Count	Fiber Type	Cable Length (meters)	Leg Diameter
ASC = Angle SC AFC = Angle FC USC = Ultra SC UFC = Ultra FC UST = Ultra ST ULC = Ultra LC	XXX = No connector	NC = Uniflex AN = Armored PE	002 = 2 004 = 4 006 = 6 008 = 8 010 = 10 012 = 12	Q = Single-mode	XXXX (specify length) 0010 = 10 meters	N = 900 μm End A F = 2.0 mm End A