

NodeFLEX® Cable Assembly

The AFL NodeFLEX cable assemblies are used to link the Optical Distribution Network (ODN) to Hybrid Fiber-Coaxial (HFC) Nodes. The NodeFLEX fitting includes a flexible boot with integrated steel wires that allow installers to flex the boot to an angle up to 90° and hold that position for applications where 90° entry is required. This eliminates the need for separate straight and 90° node cables, thus reducing inventory and ordering complexity. The SCTE 5/8-24 UNEF threaded fitting of the assembly provides a water-tight seal for up to 3 meters of static waterhead. The fitting materials are machined from stainless steel to ensure long life in the outside plant environment.

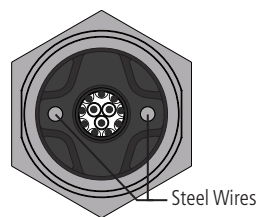
Specifications

PARAMETER	VALUE
Operating Temperature °F (°C)	-40 to 158 (-40 to 70)
Cable Retention lbf (N)	100 (445)
Fiber Count	2-24
Maximum Insertion Loss (dB)	0.30
Return Loss (dB)	≥55 (UPC), ≥65 (APC)
Fitting Material	Stainless Steel
Fitting Threads	5/8-24 UNEF
Hex Nut Size (in.)	1
Cable Diameter, Armored, 2-12 Fiber in. (mm)	0.32 (8.2)
Cable Diameter, Dielectric, 2-24 Fiber in. (mm)	0.26 (6.7)
Cable Diameter, Armored, 24 Fiber in. (mm)	0.33 (8.4)

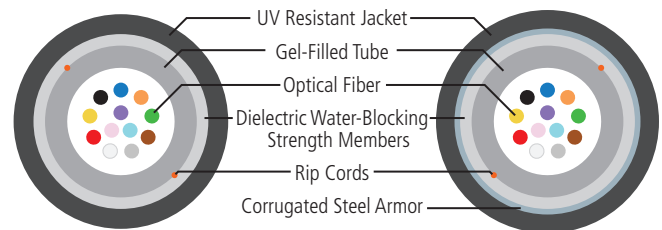
Features

- An assortment of industry standard connector styles are available such as SC/APC, SC/UPC, FC/APC, FC/UPC and LC/UPC
- Available from 2 to 24 fibers
- Available with 900 μm, 1.6 mm or 2.0 mm color-coded furcation at various lengths to accommodate all applications
- Dielectric or armored outside plant cables available
- IP68 rated up to 3 meters of water head
- Unbody design allows for installation into the node without twisting the cable
- Stainless steel fitting with UV-stabilized rubber boot

Cable Components



Flexible Boot



Dielectric Cable

Armored Cable

Ordering Information

ASC	XXX	NC	012	Q	0010FT	F2041
Connector End A	Connector End B	Cable Type	Fiber Count	Fiber Type	Cable Length (meters)	Leg Diameter
ASC = Angled SC AFC = Angled FC USC = Ultra SC UFC = Ultra FC UST = Ultra ST ULC = Ultra LC ALC = Angled LC	XXX = No connector	NC = Dielectric Round Drop AN = Armored Round Drop	002 = 2 004 = 4 006 = 6 008 = 8 012 = 12 024 = 24	Q = Single-mode	XXXX (specify length) 0010 = 10 meters 0010FT = 10 feet	N = 900 μm End A 41 inches length F1624 = 1.6 mm End A 24 inches length F1636 = 1.6 mm End A 36 inches length F1641 = 1.6 mm End A 41 inches length (F16XX required for 24 fiber) F2041 = 2.0 mm End A 41 inches length (Default 41 inches length)