

Node Service Cable Specification

Amphenol Custom Cable's Node Service Cables with available Node90 adapter are designed for quick, easy and reliable installations. The Node90 adapter is use where space is limited including MDU backboards, OSP cabinets and underground vaults. The 90-degree adapter attaches easily to the node and can be adjusted to rotate when opening the housing.

Rotational Node Connectors and Node90 adapter are available on our pre-terminated service cable configurations.

- **Designed and Tested to Telcordia GR-326 and GR-3120 requirements**
- **Patented reverse thread design allows for easy attachment to node housing**
- **Environmentally and mechanically stable for outdoor applications**
- **Terminated with premium connectors for long term reliability**
- **Each cable is serialized with test data available on line**



Cable Assembly Design Specifications

Max Fiber Count	Up to 24 fibers using 900um furcation tubing
Furcation Tube Options	900um, 1.2mm, 2.0mm, 3.0mm
Connector Options	LC UPC, LC APC, SC UPC, SC APC, MTP/MPO

Node Connector and Adapter Specifications

Material	Stainless Steel (node connector) & Anodized Aluminum (adapter)
Finish	Clear
Thread	SCTE 5/8"-24 UNEF Threaded port
Environment	IP-68 water and duct protection
Retention	445N (100 lbs.)

Cable Specifications

Rating	PE OSP & PVC, Indoor/Outdoor, Riser or Plenum
Jacket Type	Armored or Dielectric Black

Optical Fiber Specifications OS2

Fiber Name	Single-mode (OS2)
Fiber Category	G.652.d/G.657.A1
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

Connector Specifications

	LC UPC / SC UPC	LC APC / SC APC	MTP/MPO APC
Maximum Attenuation	< 0.20dB Typical	< 0.25dB Typical	< 0.35dB Typical
Min Return Loss	< -55dB	< -65dB	< -60dB

Temperature Range

Storage	-40° C to 75° C
Installation	-20° C to 70° C
Operation	-20° C to 70° C

