

Amphenol's Node Service Cable Assemblies help to extend high bandwidth connectivity in established neighborhoods by enabling fiber closer to the subscriber. Fiber to Coax nodes allow high bandwidth fiber to be converted near the point of use to suit the customers existing coax infrastructure.

Flexible Node cables are well suited for any installation environment, allowing field adjustment to achieve proper installation. The pre-terminated 2-24 fiber OSP pigtails are plugged in through the standard SCTE 5/8-24 threaded node input ports to internal electronics.

### Features:

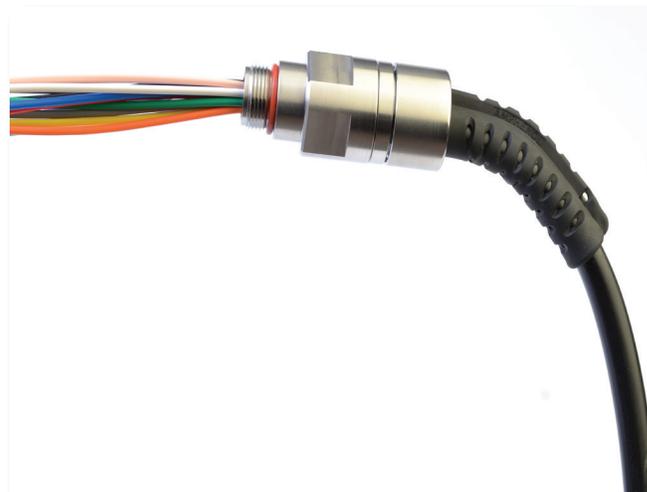
- Anti-twist stainless steel body ensures easy installation and long-term reliability
- Bendable boot conforms to navigate tight installation environments
- IP-68 water seal and wide operating temperature guarantee performance no matter where installed

### Benefits:

- Helps extend the life of copper last mile subscriber connections
- Compact anti-twist design allows simple and reliable first-time installation
- 100% factory tested to ensure high performance every time
- Housing is fully sealed, no heat shrink cover is needed after installation

### Applications:

- CATV HFC Networks



962 Series

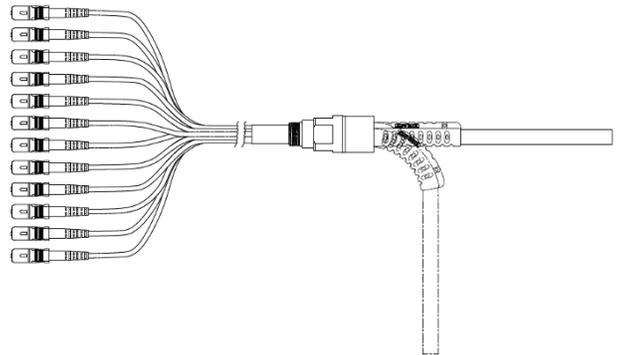
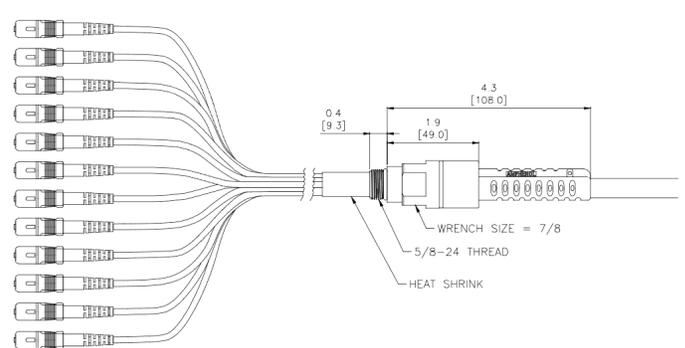
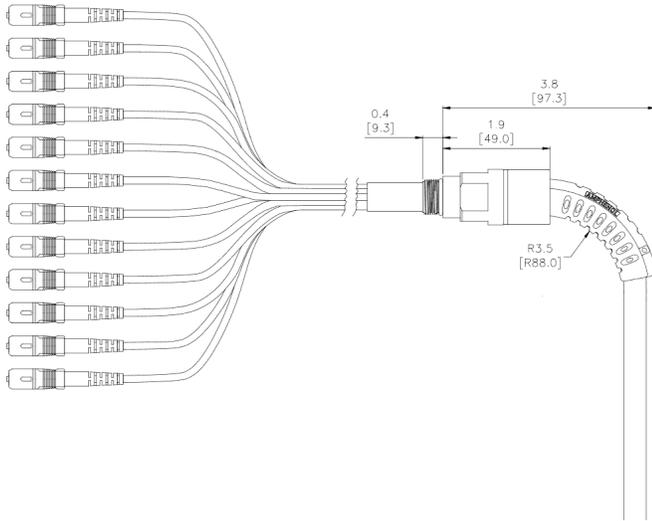
### Technical Specifications

Connector Options:	SC/APC, SC/UPC, LC/APC, LC/UPC, FC/APC, FC/UPC, ST/UPC
Cable Type:	OSP central tube or stranded tube construction
Cable Construction:	All Dielectric or Steel Armored
Fiber Type:	Single Mode
Fiber Count:	2,4,6,8,12,24f cable, 1-24 fibers terminated
Fanout Size:	900um, 1.2mm, 1.6mm, 2mm, 3mm; Color coded or yellow
Insertion Loss:	APC ≤0.3dB (Typical), ≤0.5dB (Max) UPC ≤0.2dB (Typical), ≤0.35dB (Max)
Return Loss:	APC ≥65dB UPC ≥55dB
Ingress protection:	IP-68 (20ft for 7 days)
Cable Retention:	445N – 100 lbs
Housing Material:	Stainless Steel

### Environmental Specifications

Operating Temperature:	-20°C to +70°C
Storage Temperature	-40° C to +70° C

## Assembly Drawing



### Mechanical Dimensions

Node Thread:	Wrench Size
Standard SCTE 5/8-24 UNEF:	7/8

### Performance and Testing

Testing Method:	100% Tested for Insertion Loss and Return Loss
Test Reports:	Available by request electronically

### Compliance and Certifications

Standard Compliance:	RoHS
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## Ordering Information

Part Number	Description
962-xxxF-xxxxx	Coiled lengths up to 500 feet, longer are spooled