wirewerks

90 DEGREE NODE SERVICE CABLE

PDS-0224

PATENT PENDING
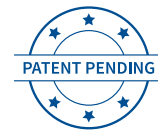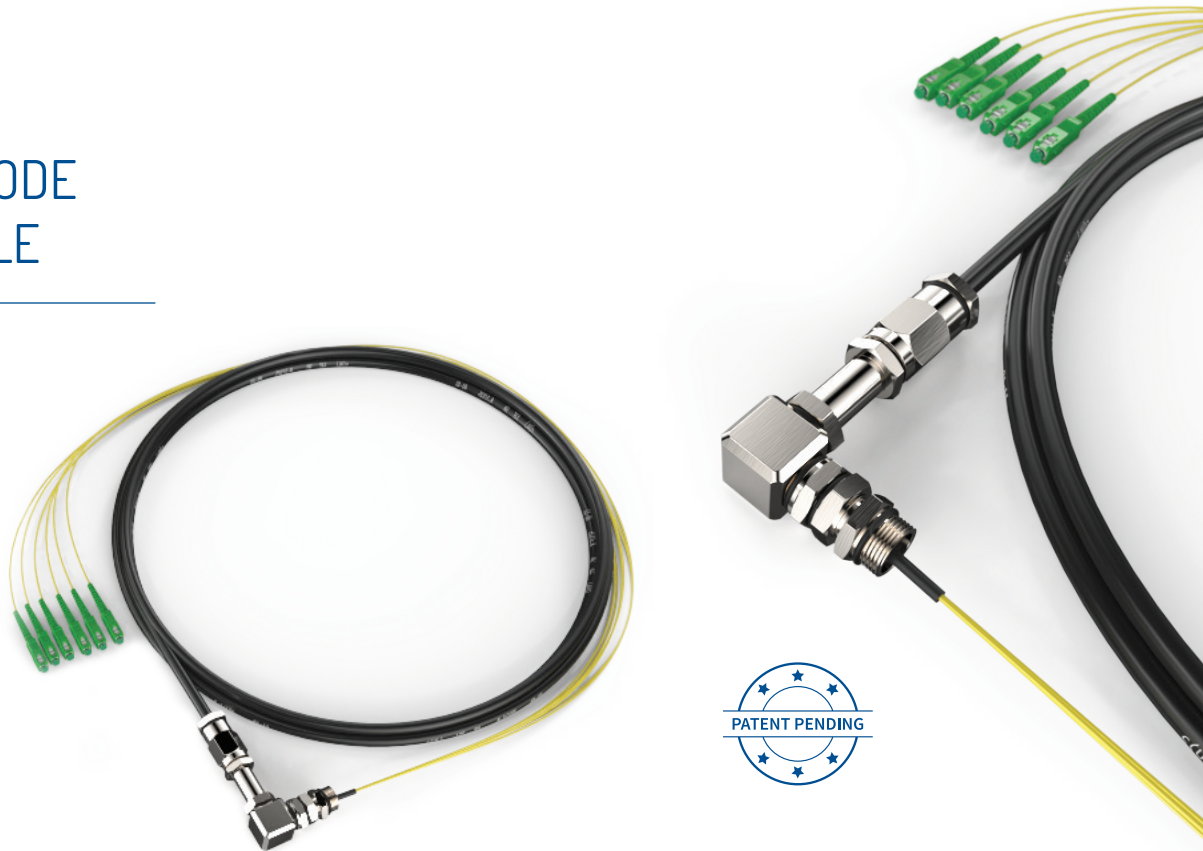
DESCRIPTION

The 90° Node Service Cable design is ideal for saving space in MDU backboards, OSP cabinets and underground vaults. All Wirewerks Node Service Cables feature a rotational nut to avoid cables twists as well as an additional free rotating hex-nut to secure the first nut safely and quickly.

Wirewerks assemblies are designed and terminations tested to Telcordia GR-326 and GR-3120 requirements.

FEATURES and BENEFITS

- Designed for quick, easy and reliable installations, where space is limited
- Armored and dielectric cables available
- Cable twist-free 5/8"-24-thread node adapter
- 100% manufactured and tested in Wirewerks factory
- Low insertion and return loss
- Interferometer test results available upon request
- Quick and easy installation

APPLICATIONS

- CATV node drop
- FTTx optical network unit (ONU) node service drop

CERTIFICATION and COMPLIANCE

ITU-T G.652.D
Characteristics of Single Mode Optical Fiber Cable – Low water Peak Single Mode Optical Fiber

GR-326-CORE
Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies

GR-20-CORE
Generic Requirements for Optical Fiber and Optical Fiber Cable

ANSI/TIA-568-C.3
Optical Fiber Cabling Components Standard

TIA-604 series
Fiber Optic Connector Intermateability Standard

TIA-455 series
Standard Test Procedure for Fiber Optic Components

UL 94
Tests for Flammability of Plastic Material for Parts in Devices and Appliances

RoHS
Directive on Restriction of Hazardous Substances

PACKAGING and SHIPPING

Description
Cardboard box

MECHANICAL SPECIFICATIONS

Parameter	Value
Installation Temperature	-30°C (-22°F) ~ 60°C (140°F)
Operating Temperature	-40°C (-40°F) ~ 70°C (158°F)
Storage Temperature	-40°C (-40°F) ~ 75°C (167°F)
Pull Strength Long Term	400 N (90lbf)
Pull Strength Short Term	1335 N (300lbf)

PERFORMANCE SPECIFICATIONS

Parameter		Value
Insertion Loss	UPC	≤0.30 dB
	APC	≤0.30 dB
Return Loss	UPC	≤-55 dB
	APC	≤-65 dB

ORDERING INFORMATION

Part Number Builder	Description
W9N - Y AA NN XX Y WWW ZZZZ	90 DEGREE Node Service Cable Assembly

Cable Type		Fiber Type		Fiber Count		Connector Type		Polish		Fiber Leads Length (m)*		Assembly Length (m)**
A	Armored outdoor loose tube	9S	900 micron Single Mode (Color sequence as per TIA-598-C)	02	2 fiber	FC	FC	A	APC	001	1	
				04	4 fiber							
B	Armored outdoor dry loose tube	2S	2mm Single Mode (yellow)	06	6 fiber	SC	SC	U	UPC			
N	Non-Armored outdoor loose tube	3S	3mm Single Mode (yellow)	08	8 fiber	LC	LC					
O	Non-Armored outdoor loose tube dry	28	2mm Single Mode (Color sequence as per TIA-598-C)	10	10 fiber	ST	ST					
		38	3mm Single Mode (Color sequence as per TIA-598-C)	12	12 fiber	L6	LC 60%-SC 40%					
		68	1.6mm Single Mode (Color sequence as per TIA-598-C)	16	16 fiber							

*By default, the length of the leads is 1 meter (001). If a decimal is required, add "D0" right after the non-decimal value and without leaving any space between. The "0" in "D0" must be replaced by the desired value. Example: A node service cable with leads of 0.5 meter shall read as 0D5; if the leads are 1.5 meters, it shall read 1D5.

** If a decimal is required, add "D0" right after the non-decimal value and without leaving any space between. The "0" in "D0" must be replaced by the desired value. Example: an assembly with an overall length of 25.5 meters shall read as 25D5.