

Fiber Optic Node Service Cable

Description

Wirewerks™ fiber optic node service cable is designed to connect the backbone fiber to an optical distribution node or an optical network unit and eliminates the need to terminate in the field optical connectors or effectuate splice at the node enclosure. Factory terminated connectors, a water proof node service adapter, and outdoor loose tube cable yield exceptional performance and stability over a wide range of temperature and environmental conditions. Wirewerks node service cables are offered in armored or dielectric cables, fiber leads of 900 μm, 2 or 3 mm, with fiber counts from 2 to 12 fibers.

Wirewerks node service cables are compatible with the installed base of low water peak single mode fiber for an easy integration to existing feeder and distribution networks.

Features and Benefits

- 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.



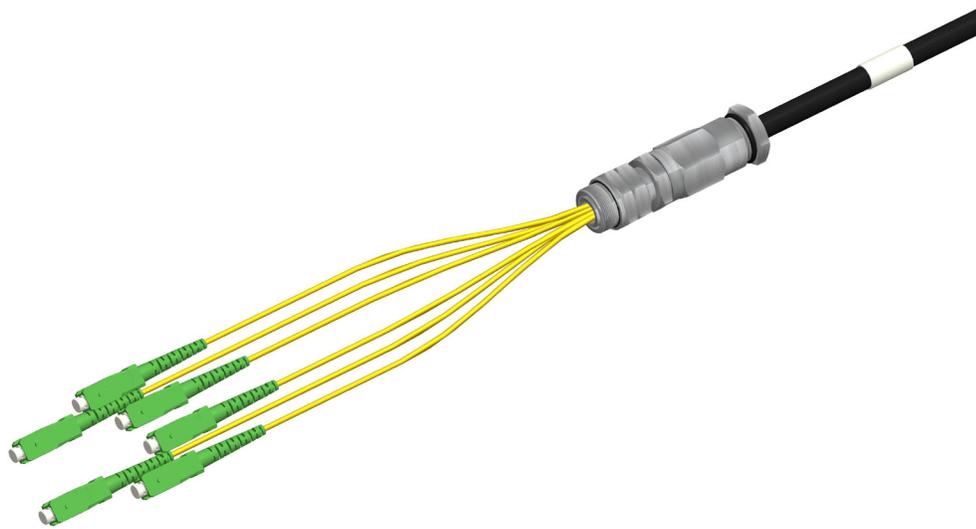
Ordering Information

Part Number Builder	
WNC-A BB CC DD E FFF - NNNN	
A Cable Type	A
	Armored Outdoor Loose Tube
N Cable Type	N
	Non-Armored Outdoor Loose Tube
BB Fiber Type	9S
	2S
	3S
	28
	38
	900 micron Single Mode (Color sequence as per TIA-598-C)
2mm Single Mode (yellow)	
3mm Single Mode (yellow)	
2mm Single Mode (Color sequence as per TIA-598-C)	
3mm Single Mode (Color sequence as per TIA-598-C)	
CC Fiber Count	02
	04
	06
	08
	10
	12
	2 fiber
4 fiber	
6 fiber	
8 fiber	
10 fiber	
12 fiber	
DD Connector Type	FC
	SC
	LC
	ST
	FC
SC	
LC	
ST	
E Polish	A
	APC
U Polish	U
	UPC
FFF Fiber Leads Length (m)*	001
	1 meter

* By default, the length of the leads is 1 meter (001). If a decimal is required, add "D0" right after the nondecimal 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 0.5meter shall read as 0D5; if the leads are 1.5 meters, it shall read 1D5.

NNNN
Assembly Length (m)**

** 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.



Mechanical Characteristics

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 (90 lbf)
Pull strength short term	1335 N (300 lbf)

Optical Characteristics

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