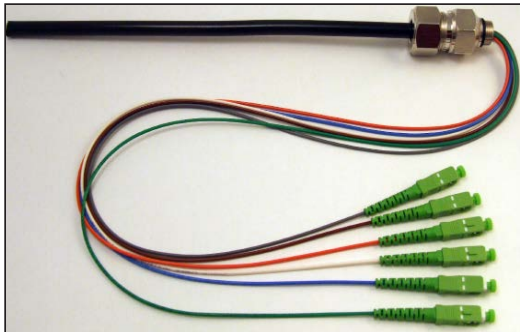




CATV Connectorized Node Cable

BendBright-XS® and Hardened Lens Contact (HLC®) Scratchguard™ Connectors



Advanced bend-insensitive fiber node cable assemblies for today's rigorous communications environments

Overview

Prysmian's connectorized optical fiber node cables are available in various standard and custom lengths. The fibers are fanned out using 2mm or 900µm reinforced Hytel subunits to withstand extreme temperature cycling. The grommet threads into a standard 5/8" input port. A variety of connectors are available including SC, FC, and LC with either Hardened Lens Contact (*HLC®) or angled HLC finishes.

Prysmian's optical fiber node cable assemblies with bend-insensitive BendBright-XS single-mode fiber are optimized for tight bend resistance compared to standard single-mode fiber connectorized node cables. Due to a 7.5mm bend radius, these node cable assemblies support smaller footprint fiber management systems that save space in crowded and/or smaller node configurations. They also minimize the power losses associated with accidental low radius kinks and bends.

This enhanced macrobending loss characteristic further guarantees that the 1625nm window (L-band) will be available for future use in this bandwidth hungry environment. Prysmian's bend-insensitive node cables with BendBright-XS single-mode fiber are fully compatible with the existing single-mode fibers as used in current networks. Hardened Lens Contact (HLC®) Scratchguard™ technology meets the growing need for a scratch resistant, highly durable fiber optic mating surface. The ScratchGuard™ connector technology is a critical step forward in connector quality and durability. It reduces potential connector end-face damage due to handling, installation and repeated use.

Prysmian Group
 700 Industrial Drive | Lexington, SC 29072
 +1-800-879-9862 | +1-800-669-0808 | website: na.prysmiangroup.com/telecom

Product Snapshot

Applications	CATV Node Cable
Constructions	2 to 12 fiber Pre-Connectorized Central Loose Tube Optical Fiber Cable Pigtailed or Jumpers.
Flame Types	Single-mode BendBright-XS (G.652D, G.657.A2 & B2)
Grommet	Standard 5/8"-24 Brass for Durability
Cable Types & Diameters	Central Loose Tube Armored 0.38 in. (9.7mm) ezMICROUNITUBE (all-dielectric) 0.35 in. (8.8mm)
Connectors Types	Styles: SC, LC, FC, ST, SCAPC, LCAPC
Furcation Legs	900µm or 2mm furcation subunits

Features and Benefits

- Standard cable lengths - 50 feet to 250 feet IN 25 foot increments
- Custom cable lengths up to 1000 feet
- Cable pullout strength of 400 pounds
- 2.0mm or 900µm reinforced Hytel subunits for temperature stability
- Standard 5/8" 24 brass mounting grommet
- BendBright-XS bend-insensitive fiber's superior bending performance 7.5mm bend radius allows shorter radius storage for compact installations & more forgiveness in installation and fiber management errors
- High-quality Hardened Lens Contact (HLC) Scratchguard protects the connector end-face from scratches due to handling and repeated use
- Armored and dielectric cables available

*HLC® and Scratchguard™ are registered trademarks of Megladon®

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Performance Specifications

Polish Type	Insertion loss	Back Reflection	Connector Type
HLC	≤ 0.2 dB per mated pair	≤ -58 dB per mated pair	SC, LC, FC, ST
APC HLC	≤ 0.2 dB per mated pair	≤ -75 dB per mated pair	SCAPC, LCAPC

Specifications

1 Family	2 Fiber Type	3 Cable	4 Breakout End 1	5 Breakout End 2	6 Fiber Count	7 Connector 1	8 Connector 2	9 Length	10 Length Units
NP= Node Pigtail	C=BBXS	A=CLTA Gel-Filled B=CLTA Gel-Free C=I/O TB	A=0.9mmX24inches w grmt B=0.9mmX36inches w grmt C=2mmX24inches w grmt std.	A=0.9mmX24inches w grmt B=0.9mmX36inches w grmt C=2mmX24inches w grmt std.	02-12	N=SCU w HLC O=SCA w HLC-std P=FCU w HLC Q=LCA w HLC mz=STU w HLC	N=SCU w HLC O=SCA w HLC-std P=FCU w HLC Q=LCA w HLC R=STU w HLC X=NA (pigtail)	Length	F=Feet M=Meters
NJ= Node Jumper		E=MUT NA Gel-Free standard F=MUT NA Gel-Free	D=2mmX36inches w grmt E=0.9mmX24inches F=.0.9mmX36inches G=2mmX24inches H=2mmX36inches Z=non-standard	D=2mmX36inches w grmt E=0.9mmX24inches F=0.9mmX36inches G=2mmX24inches H=2mmX36inches X=NA (pigtail) Z=non-standard					

Node Cable Configuration Questions: BBXS WITH HLC Ordering Guide

1. Are Connectors on One End or Both Ends

1NP = One end (Pigtail) - Std.
1NJ Two ends (Jumper)

2. What is the fiber Type?

1C = BendBright-XS

3. What is the Cable Type?

1A = Central Loose Tube Armored (1-12F) - Gel-Filled
1B = Central Loose Tube Armored (1-12F) - Gel-Free - Std.
1C = Indoor-Outdoor Tight Buffered
1E = ezMICROUNITUBE Non-armored - Gel-Filled
1F = ezMICROUNITUBE Non-armored - Gel-Free - Std.

4. What is the Breakout & Leg Length Style for End One?

1A = .9mm x 24 inches with Grommet
1B = .9mm x 36 inches with Grommet
1C = 2mm x 24 inches with Grommet (Std.)
1D = 2mm x 36 inches with Grommet
1E = 0.9mm x 24 inches
1F = 0.9mm x 36 inches
1G = 2mm x 24 inches
1H = 2mm x 36 inches
1Z = Non-standard

5. What is the Breakout & Leg Length Style for End Two?

1A = .9mm x 24 inches with Grommet
1B = .9mm x 36 inches with Grommet
1C = 2mm x 24 inches with Grommet (Std.)
1D = 2mm x 36 inches with Grommet
1E = 0.9mm x 24 inches
1F = 0.9mm x 36 inches
1G = 2mm x 24 inches
1H = 2mm x 36 inches
1X = Pigtail Style
1Z = Non-standard

6. What is the Fiber Count?

102 = Two fibers
104 = Four fibers
106 = Six Fibers - Std.108 = Eight fibers
112 = Twelve fibers

7. What is the First Connector Type?

1N = SCU w HLC
1O = SCA w HLC - Std.1P = FCU w HLC
1Q = LCA w HLC
1R = STU w HLC

8. What is the Second Connector Type?

1N = SCU w HLC
1O = SCA w HLC - Std.
1P = FCU w HLC
1Q = LCA w HLC
1R = STU w HLC
1X = NA Pigtail Style

9. What is the Cable Length?

00001 to XXXXX

10. What is the Length Unit of Measure?

1F = Feet
1M = Meters

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Standard Product Examples:	Catalog Number
6 BendBright-XS fibers in central loose tube armored gel-free cable with SCA HLC connectors, 2mm 24" furcation legs, metallic grommet - 100 feet	NPCBCX060X00100F
6 BendBright-XS fibers in central loose tube armored gel-free cable with SCA HLC connectors, 2mm 24" furcation legs, metallic grommet - 125 feet	NPCBCX060X00125F
6 BendBright-XS fibers in central loose tube armored gel-free cable with SCA HLC connectors, 2mm 24" furcation legs, metallic grommet - 150 feet	NPCBCX060X00150F
6 BendBright-XS fibers in central loose tube armored gel-free cable with SCA HLC connectors, 900um 24" furcation legs, metallic grommet - 100 feet	NPCBAX060X00100F
6 BendBright-XS fibers in ezMICROUNITUBE non-armored gel-free cable with SCA HLC connectors with 2mm 24" furcation legs - 100 feet	NPCFCX060X00100F

Pre-Order Guide

1. Are Connectors on One End or Both Ends? _____
2. What is the Fiber Type? _____
3. What is the Cable Type? _____
4. What is the Breakout & Leg Length Style for End One? _____
5. What is the Breakout & Leg Length Style for End Two? _____
6. What is the Fiber Count? _____
7. What is the First Connector Type? _____
8. What is the Second Connector Type? _____
9. What is the Cable Length? _____
10. What is the Unit of Length? (Meter or Feet) _____

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