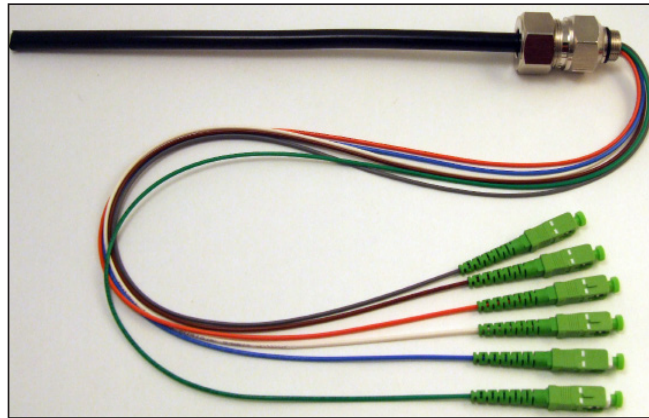


## CATV Connectorized Node Cable

BendBright-XS<sup>®</sup> and Hardened Lens Contact (HLC<sup>®</sup>) Scratchguard<sup>™</sup> Connectors



### Product Snapshot

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

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

Draka's connectorized optical fiber node cables are available in various standard and custom lengths. The fibers are fanned out using 2mm or 900µm reinforced Hytrel 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<sup>®</sup>) or angled HLC finishes.

Content may be subject to change without notification

\*HLC<sup>®</sup> and Scratchguard<sup>™</sup> are registered trademarks of Megladon<sup>®</sup>.

### Value Innovation for your Next Generation Access Network

Draka Communications Americas  
2512 Penny Road | Claremont | North Carolina 28610-0039  
800.879.9862 | International 828.459.8895 | sales@drakaamericas.com

Draka 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. Draka'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<sup>®</sup>) Scratchguard<sup>™</sup> 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.

The combined benefits of Bendbright-XS and HLC minimizes overall loss and saves both capital and operating costs.

### Features & 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 Hytrel 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 and more forgiveness in installation and fiber management errors
- High-quality Hardened Lens Contact (HLC)  
Laser process gives enhanced optical geometries for better connection and reconnection performance
- Hardened Lens Contact (HLC) Scratchguard protects the connector end-face from scratches due to
- handling and repeated use
- Armored and Dielectric cables available

### 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

#### Value Innovation for your Next Generation Access Network

Draka Communications Americas  
 2512 Penny Road | Claremont | North Carolina 28610-0039  
 800.879.9862 | International 828.459.8895 | sales@drakaamericas.com

## 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 NJ= Node Jumper	C=BBXS	A=CLTA Gel-Filled B=CLTA Gel-Free C=I/O TB E=MUT NA Gel-Free standard F=MUT NA Gel-Free	A=0.9mmX24inches w grmt B=0.9mmX36inches w grmt C=2mmX24inches w grmt standard D=2mmX36inches w grmt E=0.9mmX24inches F=.09mmX36inches G=2mmX24inches H=2mmX36inches Z=non-standard	A=0.9mmX24inches w grmt B=0.9mmX36inches w grmt C=2mmX24inches w grmt standard D=2mmX36inches w grmt E=0.9mmX24inches F=0.9mmX36inches G=2mmX24inches H=2mmX36inches X=NA (pigtail) Z=non-standard	02-12	N=SCU w HLC O=SCA w HLC-std P=FCU w HLC Q=LCA w HLC R=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 0100	F=Feet M=Meters X F
XX NP	X C	X B	X C	X X	XX 02	X 0	X X	XXXXX 0100	X F

## Ordering Guide

### Node Cable Configuration Questions: BBXS WITH HLC

#### 1. Are Connectors on One End or Both Ends?

- NP One end (Pigtail) - Standard  
 NJ Two ends (Jumper)

#### 2. What is the fiber Type?

- C BendBright-XS

#### 3. What is the Cable Type?

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

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

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

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

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

#### 6. What is the Fiber Count?

- 02 Two fibers  
 04 Four fibers  
 06 Six Fibers - Standard  
 08 Eight fibers  
 12 Twelve fibers

#### 7. What is the First Connector Type?

- N SCU w HLC  
 O SCA w HLC - Standard  
 P FCU w HLC  
 Q LCA w HLC  
 R STU w HLC

#### 8. What is the Second Connector Type?

- N SCU w HLC  
 O SCA w HLC - Standard  
 P FCU w HLC  
 Q LCA w HLC  
 R STU w HLC  
 X NA Pigtail Style

#### 9. What is the Cable Length?

00001 to XXXXX

#### 10. What is the Length Unit of Measure?

- F Feet  
 M Meters

### 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	NPCBCX06OX00100F
6 BendBright-XS fibers in central loose tube armored gel-free cable with SCA HLC connectors, 2mm 24" furcation legs, metallic grommet - 125 feet	NPCBCX06OX00125F
6 BendBright-XS fibers in central loose tube armored gel-free cable with SCA HLC connectors, 2mm 24" furcation legs, metallic grommet - 150 feet	NPCBCX06OX00150F
6 BendBright-XS fibers in central loose tube armored gel-free cable with SCA HLC connectors, 900um 24" furcation legs, metallic grommet - 100 feet	NPCBAX06OX00100F
6 BendBright-XS fibers in ezMICROUNITUBE non-armored gel-free cable with SCA HLC connectors with 2mm 24" furcation legs - 100 feet	NPCFCX06OX00100F

## Value Innovation for your Next Generation Access Network

Draka Communications Americas  
 2512 Penny Road | Claremont | North Carolina 28610-0039  
 800.879.9862 | International 828.459.8895 | sales@drakaamericas.com

## Pre-Order Guide

1. Are Connectors on One End or Both Ends? \_\_\_\_\_
2. What is the Fiber Type? BendBright-XS® \_\_\_\_\_
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) \_\_\_\_\_

### Value Innovation for your Next Generation Access Network

Draka Communications Americas  
2512 Penny Road | Claremont | North Carolina 28610-0039  
800.879.9862 | International 828.459.8895 | sales@drakaamericas.com