

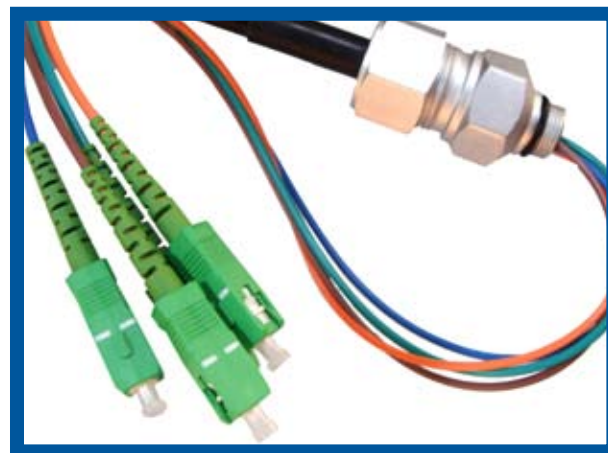
CATV Connectorized Node Cable

BendBright-XS[®] and Hardened Lens Contact (HLC[®]) Connectors



Product Snapshot

Applications	CATV node cable
Constructions	2 to 12 fiber pre-connectorized central loose tube optical fiber cable pigtailed or jumpers.
Fiber Types	Singlemode: BendBright-XS [®] (G.652D, G.657)
Grommet	Standard 5/8"-24 metallic
Cable Types & Diameters	Central Loose Tube Armored 0.38 in. (9.7 mm) Microtube (all dielectric) 0.35 in. (8.8 mm)
Connector Types	Styles: SC, LC, FC, ST Polished: UPC (Ultra PC), APC (Angled PC)
Furcation Legs	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 subunits. The metallic grommet threads into a standard 5/8" input port. A variety of connectors are available including SC, FC, and LC with either Ultra PC or Angled PC finishes.

Draka optical fiber node cable assemblies with bend insensitive BendBright-XS singlemode fiber are optimized for tight bend resistance compared to standard singlemode fiber connectorized node cables. Due to 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 singlemode fiber are fully compatible with the existing singlemode 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.

The combined benefits of Bendbright-XS[®] and HLC[®] saves both capital and operating costs.

Features

- [+] 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 furcation subunits
- [+] Standard 5/8"-24 mounting grommet
- [+] BendBright-XS bend insensitive fiber's superior bending performance 7.5 mm 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 optical geometries for better connection and reconnection performance
- [+] Hardened Lens Contact (HLC[®]) Scratchguard[®] protects the connector endface from scratches due to handling and repeated use
- [+] Armored and Dielectric cable available

Polish Specifications

Polish Type	Insertion loss	Back Reflection	Connector Type
Ultra Polish Physical Contact (UPC)	<= 0.25 dB per mated pair	<= -55 dB per mated pair	SC, LC, FC, ST
Angled Polish Physical Contact (APC)	<=0.3 dB per mated pair	<= -65 dB per mated pair	SC

Draka | Value Innovation

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Issue Date: 6-15-2009 -V1 / DS119

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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=.9mmX24inches w grmt B=.9mmX36inches w grmt C=2mmX24inches w grmt standard D=2mmX36inches w grmt E=.9mmX24inches F=.9mmX36inches G=2mmX24inches H=2mmX36inches Z=non-standard	A=.9mmX24inches w grmt B=.9mmX36inches w grmt C=2mmX24inches w grmt standard D=2mmX36inches w grmt E=.9mmX24inches F=.9mmX36inches G=2mmX24inches H=2mmX36inches X=NA (pigtail) Z=non-standard	002-012	N=SCU w HLC O=SCU w HLC-std P=FCU w HLC Q=LCA w HLC R=STU w HLC	N=SCU w HLC O=SCU w HLC-std P=FCU w HLC Q=LCA w HLC R=STU w HLC X=NA (pigtail)	Length	F=Feet M=Meters
XX 2	X 1	X 1	X 1	X 1	XXX 2	X 1	X 1	XXXX 4	X 1

Ordering Guide

For More Information Contact Us at sales@drakacomteq.us or 800.879.9862.

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 - Standard
- B Central Loose Tube Armored (1-12F) - Gel-Free
- C Indoor-Outdoor Tight Buffer
- E Micro Unitube Non-armored - Gel-Filled - Standard
- F Micro Unitube Non-armored - Gel-Free

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?

0001 to 9999

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 cable with SCA HLC connectors, 2mm 24" furcation legs, metallic grommet - 100 feet	NPCACX06OX00100F
6 BendBright-XS fibers in central loose tube armored cable with SCA HLC connectors, 2mm 24" furcation legs, metallic grommet - 125 feet	NPCACX06OX00125F
6 BendBright-XS fibers in central loose tube armored cable with SCA HLC connectors, 2mm 24" furcation legs, metallic grommet - 150 feet	NPCACX06OX00150F
6 BendBright-XS fibers in central loose tube armored cable with SCA HLC connectors, 900um 24" furcation legs, metallic grommet - 100 feet	NPCAAX06OX00100F
6 BendBright-XS fibers in micro-unitube non-armored cable with SCA HLC connectors with 2mm 24" furcation legs - 100 feet	NPCECX06OX00100F

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Questions To Answer Before You Order.

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) _____