

## Ready-Connect Duplex LC Drop Cables

Pre-ferruled blowable cable with BendBrightXS fiber



### Application

Draka's pre-ferruled BendBrightXS cables take microduct jetting solutions to the next level: all the same benefits but even quicker to install. Unique installation techniques reduce installation times and costs while maintaining high quality standards.

Draka's ferrule assembly for (LC compliant) connectors is a new compact pre-connectorized system which can be used within ducts of very small size or can be blown into microducts, offering an easy and reliable solution to perform FTTx installations. After installation, the ferrule assembly can easily and rapidly be connectorized, avoiding time-consuming and expensive field termination tools and equipments. This new Draka ferrule assembly is available for single mode and Multimode fibers in PC 0o version. Typical applications include FTTx and Telecommunications Networks.

Features	Advantages
·Pre-ferruled cable system	·No need for field splicing ·No need for high skilled OFC splicing installers
·Factory manufactured including measurement reports	·Reduces chances of errors in the field ·No need for field measurement equipments
·2 component connector housing installs without tools	·Quick and safe termination on the customer premises ·High quality connector with minimal insertion loss

### Product Range

Article No.	Product Name	Packaging
1022676	Ready-Connect Duplex LC/UPC BBXS L=50m	Per coil (50m)
1022677	Ready-Connect Duplex LC/UPC BBXS L=70m	Per coil (70m)
1022678	Ready-Connect Duplex LC/UPC BBXS L=100m	Per coil (100m)
1022679	Ready-Connect Duplex LC/UPC BBXS L=150m	Per coil (150m)
1022680	Ready-Connect Duplex LC/UPC BBXS L=200m	Per coil (200m)
1022681	Ready-Connect Duplex LC/UPC BBXS L=300m	Per coil (300m)
1022682	Ready-Connect Duplex LC/UPC BBXS L=400m	Per coil (400m)
1022683	Ready-Connect Duplex LC/UPC BBXS L=500m	Per coil (500m)

All products listed use BBXS G657A2&B2 fibres Other lengths available upon request

Upon request, alternative fibre can be used, including G652D and Multimode

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## Technical Specifications

### Connector

Type	LC Duplex UPC (APC available upon request)
Ferrule	Ceramic, 1.25mm, not fitted with springs, LC - Compatible
Plug Color	Blue
Mating Durability	500
Operating Temperature	-40 °C to +75 °C

### Cable

Standard	IEC 60794-1-2-E3 1250 N / 100mm
No. of Fibres	12
Outer Sheath (mm)	4
Sheath (single mode)	4
Fiber Elements Colors	Blue
Cable Weight (kg/km)	12
Pulling Force (N)	1250
IEC 60794-1-2-E3	1250 N / 100mm
IEC 60794-1-2-E4	5 nM
IEC 60794-1-2-E6 R	25x D, 100 cycles
IEC 60794-1-2-E11 R	20x D
Transportation & Storage	-30 to +60 °C
Installation	-30 to +50 °C
Operation	-20 to +60 °C

### Optical Performance

Fiber Connector type	Wavelength	IL (dB) typical	IL (dB) maximum	RL (dB) typical	RL (dB) maximum
90/125µ Pre-Ferruled LC/UPC	1550nm	≤0.250	0.45	≥5	55.55

### Construction

After snapping the housing on the 1.25mm ferrule it transforms to a small form fiber optic connector. This connector is designed according to IEC 61 754-20 and TIA/EIA 604-10-A international standard and therefore fully LC standard compatible. Dry core non-metallic access cable for microducts according to IEC 60794-5 comes with the BendBrightXS fibers inside, making the cable less susceptible to macro- and microbending.

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### Installation details

- Can be installed without house-visit using an air-venting end-stop (see datasheet CP036)
- Finishing the connector is easily done during installation. No polishing or splicing, also no attenuation measurement needed.
- Installable (blowing) up to 1000m through 4mm inner diameter microducts (see datasheet CP053 & CP095) with narrow (<70mm, 35mm with shuttle) bends

### Tests

Interferometer, Insertion Loss, Return Loss and Visual Final Inspection  
 QS-Management system ISO 9001:2000, ISO 14001 and TL 9000

### Specifications and Standards

IEC 61 754-20 "Fiber optic connector interfaces – type LC connector family"  
 TIA/EIA 604-10-A "Fiber optic intermateability standard – type LC"  
 Meets IEC 60874-14-3 mechanical and environment tests.

### Dimensions

Max. Ferrule diameter 2.6mm  
 Max. Ferrule length 22mm  
 Max. Diameter with 2 Ferrules 3.5mm

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