

## Ready-Connect Duplex LC Drop Cables

Pre-ferruled blowable cable with BendBright<sup>XS</sup> fiber



### Application

Draka's pre-ferruled BendBright<sup>XS</sup> 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 0 version. Typical applications include FTTx and Telecommunications Networks.

#### Features

- Pre-ferruled cable system
- Factory manufactured including measurement reports
- 2 component connector housing installs without tools

#### Advantages

- No need for field splicing
- No need for high skilled OFC splicing installers
- Reduces chances of errors in the field
- No need for field measurement equipments
- 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  
Upon request, alternative fibre can be used, including G652D and Multimode

Other lengths available upon request

#### © PRYSMIAN GROUP 2012, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alternation afterwards of product may give different results. The information claimed within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. This information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.

## 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

Fibre	9/125µ G.657.A2 & B2	
No. of Fibres	2	
Outer Sheath (mm)	1.8 +/- 0.2	
Sheath Color	Yellow (single mode)	
Filler Elements Colors	Uncoloured	
Cable Weight (kg/km)	3	
Pulling Force (N)	150	
Side Load	IEC 60794-1-2-E3	1250 N / 100mm
Impact	IEC 60794-1-2-E4	5 nM
Repeated Bending	IEC 60794-1-2-E6	R=25x D, 100 cycles
Cable Bend	IEC 60794-1-2E11	R=20x D
Temperature Range	Transportation & Storage	-30 to +60°C
	Installation	-10 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	≤0.25	0.45	≥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.

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.

### 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

### © PRYSMIAN GROUP 2012, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alternation afterwards of product may give different results. The information claimed within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. This information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.