

# Technical Specification

## *Self-Supporting 5.0x2.0mm Drop Cable*

Cable Shape	Strength Member/ Messenger wire	Outer Jacket Material
Rect. 5.0x2.0mm	FRP / Galvanized Steel Wire	LSZH

### 1. Product Description

UCL's figure 8 FTTH Drop cable(Rectangle type) is designed for installing in the duct or aerial from the closure or box on the pole to the subscriber's demarcation box.

### 2. Features and Benefits

- Compact size for installing in conduit
- Easy handling and stripping without special tools
- Self supporting structure and Stranded wire is available to enhance flexibility

### 3. Cable Configuration

250um colored fiber (G.657.A2) with FRP strength member, steel messenger wire as self supporting and LSZH jacket.



Fiber	Fiber type & Count	G.657.A2 & 1 or 2Cores
	Color	Blue / Blue, Orange
Strength Member	Material	FRP
Messenger Wire	Material	Galvanized Steel Wire / Solid or Stranded
Outer Sheath	Material	LSZH
	Color	Black
Physical Dimension	Diameter (mm)	5.0x2.0 ±0.2
		3.0x2.0 ±0.2 (Without messenger wire)

### 4. Environmental Performance

Temperature	Installation	-10 ~ +60°C
	Operating	- 40 ~ +70°C
Tensile Load	Max. N	600N
Crush Resistance	N/100mm	500N
Bending Radius	Short Term	More than 20xD
	Long Term	More than 10xD

## 5. Ordering Information

Part Number	Product Description
DRC-LZ5020B-A2B01-FR-SL	5.0x2.0mm Drop cable, Black, LSZH, G.657.A2 fiber, 1 core FRP strength member, Solid messenger wire
DRC-LZ5020B-A2B02-FR-ST	5.0x2.0mm Drop cable, Black, LSZH, G.657.A2 fiber, 2 core FRP strength member, Stranded messenger wire

## 6. MARKING & PACKING

### 6.1 Sheath Marking

The cable shall have the following information clearly marked on the cable outer sheath at regular interval of one meter by Ink Jet printer with white color.

- (1) Length in meter : 0000M
- (2) Manufacturer's Name : UCL SWIFT
- (3) Year of manufacture : 20xx
- (4) Fiber count : 1C or 2C
- (5) Fiber type : SM G657A2
- (6) Material and Size : LSZH, 5.0x2.0mm

**0000m UCL 20xx 1C G657A2 LSZH 5.0x2.0mm 0001m**

### 6.2 Packing

- (1) 1km and other cable length is also available if required by customer.
- (2) Each length of the cable shall be wound on a wooden reel or plywood reel.
- (3) The cable ends shall be securely fastened to the reel to prevent the cable from becoming loose in transit or during operations.
- (4) A suitable plastic tape shall be laid on cable to prevent the entry of moisture during shipping, handling and storage. .
- (5) The cable reel shall be packaged in a suitable paper box for loading onto multiple layers.

### 6.3 Labelling

The label information on the reel is below

- (1) Cable type and fiber counts
- (2) Length of cable in meters
- (3) Gross weight in kilograms
- (4) Reel number
- (5) Year of manufacture