

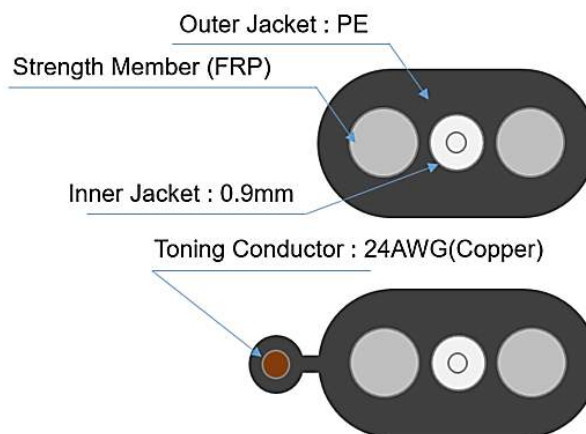
Technical Specification

Flat 4.8x2.4mm Dielectric Drop Cable G.657.A2, 1Fiber

Cable Shape	Strength Member	Outer Jacket Material
Flat 4.8x2.4mm and Toning Conductor (Option)	FRP	MDPE

1. Product Description

UCL’s compact and flat FTTH drop cable is designed for installation in various outside environment, in conduit and direct buried applications. It is also available with toning conductor version that is easy to detect in underground installation. All dielectric design is ideal for drop application, offering ease of access as well as easy installation.



2. Features and Benefits

- Compact Design : Flexible and easy to install in tight spaces conduit.
- All-Dielectric Structure : No bonding and grounding requirements. Light weight and easy to install.
- Toning Conductor Available : Easy detection in underground installation environment.

3. Cable Construction

Fiber & Inner Jacket	Fiber type & Count		Corning OS2 fiber & 1Core
	Diameter		0.9mm
	Material		PVC
	Color		White
Strength Member	Material		FRP
	Count		2 EA
Outer Sheath	Material		MDPE
	Color		Black
Physical Dimension	Diameter (mm)	Width	4.8 ±0.2
		Height	2.4 ±0.2
Detecting Option	Toning Conductor		24 AWG Copper
	Cable size with conductor		6.0 x 2.4 mm
Standard	Telcordia GR-20 Requirement(ANSI S-110-717-2019)		

4. Environmental Properties

Temperature	Installation	-30~+70°C
	Operating	-40~+70°C

5. Mechanical Properties

Tensile Strength	Short Term	1350N	FOTP-33
	Long Term	400N	
Low and High Temp. Bending	Mandrel diameter : 20 X cable OD		FOTP-37

6. Ordering Information

Part Number	Product Description
DRC-PE4824B-FR00-P09-A201	Flat, 4.8x2.4m, MDPE outer sheath, FRP strength member, 0.9mm tight buffered inner jacket, G.657.A2 1core
DRC-PE6024B-FRTC-P09-A201	Flat with Toning conductor(24AWG), 6.0x2.4m, MDPE outer jacket, 0.9mm tight buffered inner jacket, G.657.A2 1core

7. Marking & Packing

7.1 Sheath Marking

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

- (1) Length in meter or feet : 0000M
- (2) Manufacturer's Name : UCL
- (3) Year of manufacture : 20xx
- (4) Fiber count : 1C
- (5) Fiber type : SM G657A1 or G657A2
- (6) Outer sheath material : MDPE
- (7) Cable Size : 4824(4.8x2.4mm) or 6024(6.0x2.4mm)

(8) Printing – with Toning Conductor

0000ft UCL 2022 1C G657A2 CORNING FIBER MDPE TC 4824(6024) 0001ft

(9) Printing – without Toning Conductor

0000ft UCL 2022 1C G657A2 CORNING FIBER MDPE 4824 0001ft

7.2 Packing

- (1) 1000ft, 2000ft or 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.

7.3 Labelling

The label information on the reel is below

- (1) Product part number
- (2) Fiber type and Count
- (3) Cable length(meter or feet)
- (4) Gross weight in kilograms
- (5) Reel number
- (6) Year of manufacture