Miniflex® ADSS QuikDrop® Fiber Cable
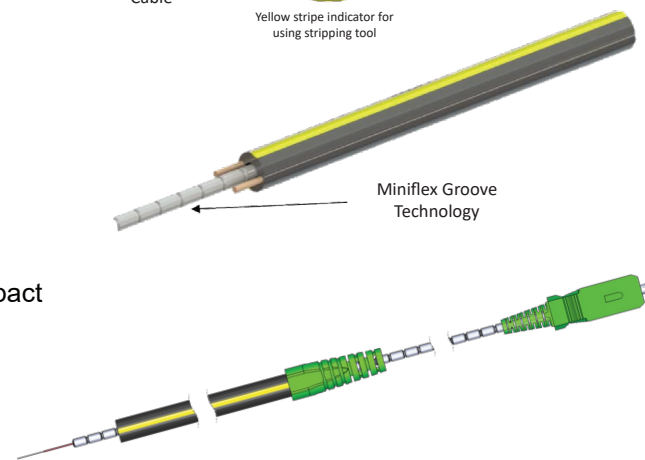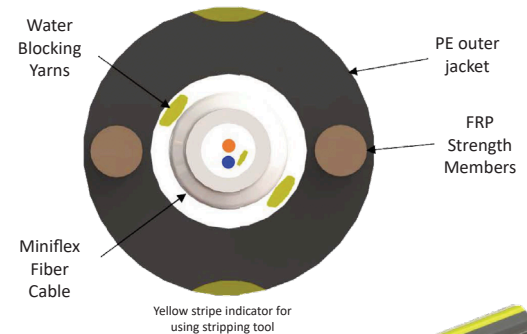
Features & Benefits

- ITU-T G.657 Optical Fiber (A1 & A2)
- 7 mm ADSS Jacket with 3 mm Miniflex® Inner Cable
- 6 mm ADSS Jacket with 2.2 mm Miniflex Inner Cable also available
- PPC Pushable Connectors (LC/APC and SC/APC)
- Available with Standard LC & SC Connectors
- Optional Hardened Connector Housing

Cable Outer Jacket
- Ultra-lightweight for self supporting spans up to 100 m (328 ft)
- Easy Strip Jacket feature for quick and simple handling
- UV Resistance and full weather range protection:
  -40 °C to 70 °C (-40 °F to 158 °F)
- Aerial and Underground installations
- Suitable for use in regions with high lightning activity

Miniflex® Inner Cable
- Pre-connectorized with either the SC/APC or LC/APC Balistix™ connectors
- Ultra-flexible 30 mm (22 mm for 2.2 mm cable) bend radius for compact slack fiber storage
- Pushable fiber for routing into building ducts and conduits
- Small and unobtrusive enough for surface mount applications
- Tough enough for clipping, tacking and gluing
- Flame Retardant material - Cca (Europe) or Riser (North America) rated white Miniflex and black Standard Miniflex

Water Blocking Yarns
PE outer jacket
FRP Strength Members
Miniflex Fiber Cable
Yellow stripe indicator for using stripping tool
Miniflex Groove Technology

Overview

QuikDrop® is a combination of aerial fiber jacket used in its ADSS cable and the Miniflex fiber cable, where the Miniflex cable can be connectorized on one or both ends. Various connector combinations are possible including the PPC pushable SC/APC and LC/APC connectors. This makes QuikDrop the aerial equivalent of our tried and tested QuikPush® cable asssembly.

QuikDrop can dramatically reduce installation costs and time by simplifying FTTX deployments and removing the need to splice. Strength members are embedded within the outer jacket for self-supporting spans.

Thanks to its high crush and tensile strength, it can also be direct buried or pulled through sub ducts. Miniflex is ultra tough and flexible so as well as being great for fishing through microducts, it can also be fixed directly to walls.

It offers an ideal solution for both rural single-dwelling and urban multi-dwelling units. The Pushable LC/APC and SC/APC connectors from PPC can be safely pushed/pulled though small conduits, cavities and holes less than 5 mm before being fully 'assembled' as an industry standard connector.

Applications

- FTTH - single dwelling and urban multi-dwelling units
- FTTP - outdoor/indoor point of presence
- FTTC - underground sub-ducts and cabinets
- FTTX - quick and simple fiber-to-the-anywhere solution

Miniflex® ADSS QuikDrop® Fiber Cable

Technical Data

QuikDrop® Cable

Strength Member	O.D.	Min. Bend Radius	Crush Resistance		Tensile Strength	
	+ / - 0.1mm	<0.05dB at 1550nm	No Damage	<0.05dB at 1550nm	<0.5% Fiber Strain	Ultimate Strength
	mm (in)	mm (in)	N	N	N	N
Dielectric (ADSS)	7.0 (.28)	>70 (>2.8)	2000	3400	1150	4000
Dielectric (ADSS)	6.0 (.24)	>60 (>2.4)	>2000	>5000	>1000	>3000

Strength Member	Impact Resistance	Material	Color	Cable Weight	Temperature Range
	<0.05dB at 1550nm				
	N/m	Polymer		kg/km (lbs/kft)	°C (°F)
Dielectric (ADSS)	>5	PE	Black	25 (16.8)	-40 to 70 (-40 to 158)

Miniflex® Cable

O.D.	Min. Bend Radius	Crush Resistance		Tensile Strength	Impact Resistance	Material	Color	Cable Weight	Temp. Range
+ / - 0.1mm	<0.05dB at 1550nm	No Damage	<0.05dB at 1550nm	<1% Fiber Strain	<0.05dB at 1550nm				
mm (in)	mm (in)	N	N	N	N/m	Polymer		kg/km (lbs/kft)	°C (°F)
3.0 (.12)	>30 (>1.2)	>1500	>2400	>100	>1	PBT	Black	8 (5.4)	-40 to 70 (-40 to 158)
3.0 (.12)	>30 (>1.2)	>1500	>2900	>100	>2	PBIO	White	8 (5.4)	-40 to 70 (-40 to 158)
2.2 (.09)	>22 (>.9)	>1500	>3000	>100	>2	PBIO	White	5 (3.4)	-40 to 70 (-40 to 158)

Connector Performance

Ferrule	IL Max	IL typical	Return Loss
APC	0.5 Db	0.25 dB	> 60 dB

Transmission Performance Specification

Item	Single-mode	
Specification	G657A1	G657A2
Max. Attenuation 1310 / 1550	0.4 / 0.3 db/km	
10 turns at 15mm	0.20	0.03
1 turn at 20mm	0.20	0.10
1 turn at 15mm	~	0.50

Miniflex® ADSS QuikDrop® Fiber Cable

Ordering Information: Code Builder

Example	QD	-	02	6	-	FRP	-	PBIO	-	NC	-	WHT	-	SC5	-	A2	-	xxxM*
Character	1		2	3	-	4	-	5	-	6	-	7	-	8	-	9	-	10

1. Product Type
QD = QuikDrop®

2. Fiber Count
01 = 1
02 = 2
04 = 4

3. Jacket O.D.
6 = 6.0 mm
7 = 7.0 mm

4. Strength Member
FRP

5. Miniflex® Jacket
PBIO (Cca)
PBT

6. Connector 1
NC = No Connector
BC5 = Balistix™ SC/APC
BLC5 = Balistix™ LC/APC
SC5 = SC/APC
LC5= LC/APC
O5= HFOC APC
O3= HFOC UPC

7. Internal Miniflex Color
WHT = White
BLK = Black

8. Connector 2
NC = No Connector
BC5 = Balistix™ SC/APC
BLC5 = Balistix™ LC/APC
SC5 = SC/APC
LC5= LC/APC
O5= HFOC APC
O3= HFOC UPC

9. G657 Fiber Type
A1
A2

10. Length (ft/m)
FT
M

The maximum length of QuikDrop cable is 90m or 300 ft

QuikDrop cables longer than 125 m (410 ft) are supplied on a wooden reel. All other lengths come on a cardboard reel (see drawing below).
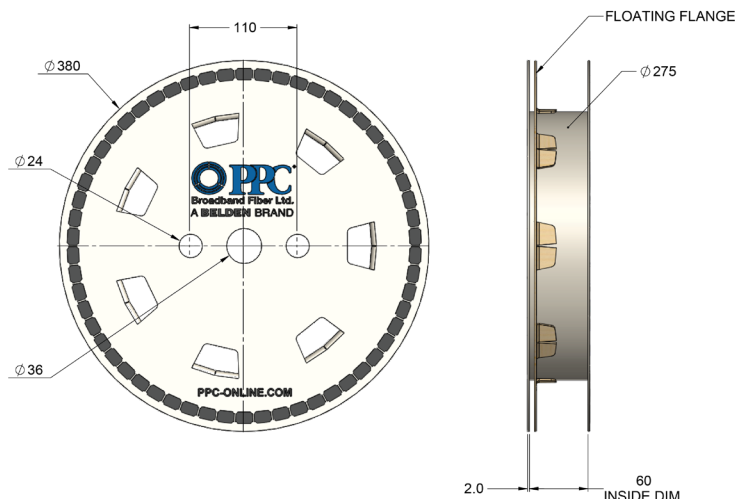
Ordering Information

Stripping Tool - *https://www.ppc-online.com/products/fiber/tool-10-132x*

Part Number	Description	Dimensions	Pack Quantity
10-1325	7mm ADSS Slitting tool	210 mm x 67 mm x 36 mm	1 pc (individual)
10-1326	7mm Spare Blades for 10-1325	n/a	1 pc (individual)
10-1323	6mm Tool (handle + blades)	210 mm x 67 mm x 36 mm	1 pc (individual)
10-1324	6mm replacement blades	n/a	1 pc (individual)

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www.ppc-online.com