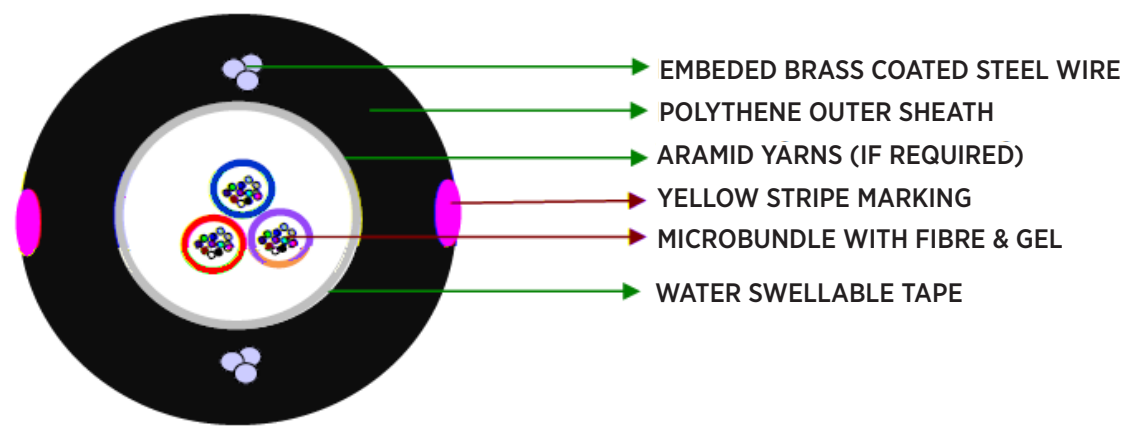


# Fibre Optic Cabling

## Ultralightweight Aerial Drop Cable 36F/48F



| Product Information                    |                                                              |                                                                        |
|----------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------|
| Single Mode Optical Fibre              | Sterlite Fibre ITU.T - G.652D                                |                                                                        |
| Maximum Cabled Fibre Attenuation dB/Km | 1310nm: 0.35, 1550nm: 0.21, 1625nm: 0.24                     |                                                                        |
| PmDq                                   |                                                              | <0.2 ps/√km                                                            |
| Filling Gel                            | Thixotropic gel to prevent water ingress inside microbundle  |                                                                        |
| Microbundle                            | Easy strippable buffer tube                                  |                                                                        |
| Dummy Element                          | If Required                                                  |                                                                        |
| Water Tightness                        | Water swellable tape applied longitudinally over microbundle |                                                                        |
| Embedded Strength Member               | 2 Nos                                                        | Brass coated steel wire, 180° apart. Diameter 0.32mm (Nom) *3 required |
| Peripheral Strength Member             | Aramid Yarns if required                                     |                                                                        |
| Stripe Marking                         | 2 Nos                                                        | Yellow Stripe over outer sheath. 90° to Steel wire 1.25 + 0.25 mm wide |
| Outer Sheath                           | UV proof Black Polyethylene                                  |                                                                        |

| Mechanical                                                              |                             |
|-------------------------------------------------------------------------|-----------------------------|
| Breaking Load*                                                          | 1350 N - 1800 N             |
| Installation Load                                                       | 150N                        |
| Min. Bending Radius                                                     | 12D                         |
| Crush Resistance                                                        | 2000N/100 x 100mm           |
| Impact strength                                                         | 10Nm                        |
| Torsion                                                                 | ± 360°, 100N                |
| Water Penetration                                                       | 1m head, 3m samples, 24 hrs |
| *Note : At maximum environmental loading Fibre strain shall be < 0.80%. |                             |
| Conforms to: ANSI/ICEA S-87-640, IEC Standards and GR-20                |                             |

| Installation Loading Conditions                                                            |                                                          |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Span Length                                                                                | 55 meter (Exceptional 68m)                               |
| Sag %                                                                                      | 1.8%                                                     |
| Environmental Loading                                                                      | Wind Speed 97Km/hr, ice load 0mm (Wind Speed 0, ice 5mm) |
| High Voltage Test                                                                          | 15kVrms, 5 mins                                          |
| Minimum distance shall be 1.0 meter, between Optical Fibre Cable & 11kV Transmission Line. |                                                          |

# Fibre Optic Cabling

## Ultralightweight Aerial Drop Cable 36F/48F

| Cable Construction |                 |         |               |                                   |                                                |                   |                           |
|--------------------|-----------------|---------|---------------|-----------------------------------|------------------------------------------------|-------------------|---------------------------|
| Fibre Count        | Fibres Per Tube | Tubes   | Dummy Element | Colour of Loose Tubes In Sequence | Fibre Colour                                   | Diameter of Cable | Weight of Cable (+/- 10%) |
|                    | Numbers         | Numbers | Numbers       |                                   |                                                |                   |                           |
| 36                 | 12              | 3       | 0             | BL, OR, GR                        | BL, OR, GR, BR, SL, WH, RD, BK, YL, VI, PK, AQ | 7.1 +/- 0.2mm     | 43                        |
| 48                 | 12              | 4       | 0             | BL, OR, GR, BR                    |                                                | 7.1 +/- 0.2mm     | 45                        |

| Printing Details                                                                                                                                         |                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Cable Printing details (White - Hot Foil)                                                                                                                | CONNECTIX Fibre Count F Aerial LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE LENGTH CODE METER MARKING |
| The accuracy of marking shall be + 1%. Occasional loss of printing & remarking shall be as per Bell core GR 20 and this supercedes the earlier markings. |                                                                                                            |

Outer Sheath Colour: Black

### Standard Length Details

Cable length (meter) 4000 + 5 %  
 Order Tolerance: ± 5 %  
 Short Lengths : MAX 5 %, Customer Approval.

| Ordering Information                                                                                     |                |
|----------------------------------------------------------------------------------------------------------|----------------|
| Product Description                                                                                      | Part Number    |
| 36F Ultralightweight Overhead Drop Cable G.652.D Singlemode Optical Fibre (4x 12) Outdoor PE, OD 7.1mm   | 002-005-165-36 |
| 36F Ultralightweight Overhead Drop Cable G.657.A1 Singlemode Optical Fibre (4 x 12) Outdoor PE, OD 7.1mm | 002-005-166-36 |
| 36F Ultralightweight Overhead Drop Cable G.657.A2 Singlemode Optical Fibre (4 x 12) Outdoor PE, OD 7.1mm | 002-005-167-36 |

| Ordering Information                                                                                     |                |
|----------------------------------------------------------------------------------------------------------|----------------|
| Product Description                                                                                      | Part Number    |
| 48F Ultralightweight Overhead Drop Cable G.652.D Singlemode Optical Fibre (4x 12) Outdoor PE, OD 7.1mm   | 002-005-165-48 |
| 48F Ultralightweight Overhead Drop Cable G.657.A1 Singlemode Optical Fibre (4 x 12) Outdoor PE, OD 7.1mm | 002-005-166-48 |
| 48F Ultralightweight Overhead Drop Cable G.657.A2 Singlemode Optical Fibre (4 x 12) Outdoor PE, OD 7.1mm | 002-005-167-48 |

| Ordering Information                                                                       |                |
|--------------------------------------------------------------------------------------------|----------------|
| Product Description                                                                        | Part Number    |
| 36F Underground Drop Cable G.652.D Singlemode Optical Fibre (3 x 12) Outdoor PE, OD 8.5mm  | 002-005-160-36 |
| 36F Underground Drop Cable G.657.A1 Singlemode Optical Fibre (3 x 12) Outdoor PE, OD 8.5mm | 002-005-160-36 |
| 36F Underground Drop Cable G.657.A2 Singlemode Optical Fibre (3 x 12) Outdoor PE, OD 8.5mm | 002-005-161-36 |