



### Product Description

BCP® 96/144 Fibres G657A2/G652D Fibre Microduct Fibre Optic Cable has excellent mechanical and environmental properties. It also has good bending performance and is easy to install.

### Features & Benefits

- Outer sheath (HDPE, Black)
- Glass yarns
- Gel-free  $\mu$ sheath
- Strength member (FRP $\times$ 2)
- Water blocking yarn
- Ripcord $\times$ 1

### Applications

- FTTH GPON - Telecom
- Outdoor Installations



### Technical Specifications

|                                         |                         |                    |
|-----------------------------------------|-------------------------|--------------------|
| Fiber count (G.657A2/G.652D)            | 96                      | 144                |
| $\mu$ sheath No.                        | 8                       | 12                 |
| Fiber No. per module                    | 12                      |                    |
| $\mu$ sheath diameter                   | 1.5 $\pm$ 0.1mm         |                    |
| Strength member diameter                | 1.2 $\pm$ 0.1mm)*2      |                    |
| Outer sheath thickness                  | Nominal 2.2mm           |                    |
| Cable OD                                | 11.3mm $\pm$ 5%         | 12.4mm $\pm$ 5%    |
| Cable weight                            | 98kg/km $\pm$ 15%       | 116kg/km $\pm$ 15% |
| Operation temperature range             | -30 deg C to + 60 deg C |                    |
| Installation temperature range          | -5 deg C to + 40 deg C  |                    |
| Transport and storage temperature range | -40 deg C to + 70 deg C |                    |
| Max. tensile load                       | 200daN                  |                    |
| Crush resistance                        | 200daN/10cm             |                    |
| Minimal installation bending radius     | 20 x OD                 |                    |
| Minimal operation bending radius        | 10 x OD                 |                    |



Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

| Cable Type |             | No of Fibres         |             | Additional*   |                               |
|------------|-------------|----------------------|-------------|---------------|-------------------------------|
| <b>MCM</b> | Micromodule | <b>C36</b>           | 36 FO       | <b>DY</b>     | Dry                           |
| <b>MCD</b> | Microduct   | <b>C48</b>           | 48 FO       | <b>2W</b>     | 2 Wires                       |
|            |             | <b>C72</b>           | 72 FO       | <b>FI</b>     | Flat Inside Round             |
|            |             | <b>C96</b>           | 96 FO       | <b>SM</b>     | Steel Wire Messenger          |
|            |             | <b>C144</b>          | 144 FO      | <b>FRPM</b>   | FRP Messenger                 |
|            |             | <b>C288</b>          | 288 FO      | <b>FRPMF8</b> | Figure 8 FRP Messenger        |
|            |             |                      |             | <b>FRP2</b>   | FRP x 2                       |
|            |             |                      |             | <b>FCM</b>    | FRP Central Strength Member   |
|            |             |                      |             | <b>SCM</b>    | Steel Central Strength Member |
| ▲          |             | ▲                    |             | ▲             |                               |
| <b>MCD</b> | <b>A2</b>   | <b>C96</b>           | <b>HD</b>   | <b>FRP2</b>   |                               |
| ▼          |             | ▼                    |             |               |                               |
| G657A2     | <b>A2</b>   | HDPE                 | <b>HD</b>   |               |                               |
| OS2        | <b>S2</b>   | PVC                  | <b>PV</b>   |               |                               |
|            |             | LSZH                 | <b>LS</b>   |               |                               |
|            |             | Polyethylene         | <b>PE</b>   |               |                               |
|            |             | LDPE                 | <b>LD</b>   |               |                               |
|            |             | Double Jacket PE/PVC | <b>DJ</b>   |               |                               |
|            |             | Double Jacket HDPE   | <b>DJHD</b> |               |                               |
|            |             | Single Jacket HDPE   | <b>SJHD</b> |               |                               |
|            |             | Single Jacket PE     | <b>SJPE</b> |               |                               |
| Fibre Type |             | Material             |             |               |                               |

\*Leave blank if not required

| Example Part Number                                                           |                   |
|-------------------------------------------------------------------------------|-------------------|
| Description                                                                   | Part Number       |
| BCP Microduct Fibre Optic Cable - 96 Core G657A2 with 2×FRP (Module 12)       | B/MCDA2C96HDFRP2  |
| BCP Microduct Fibre Optic Cable - 144 Core G652D (OS2) with 2×FRP (Module 12) | B/MCDS2C144HDFRP2 |