



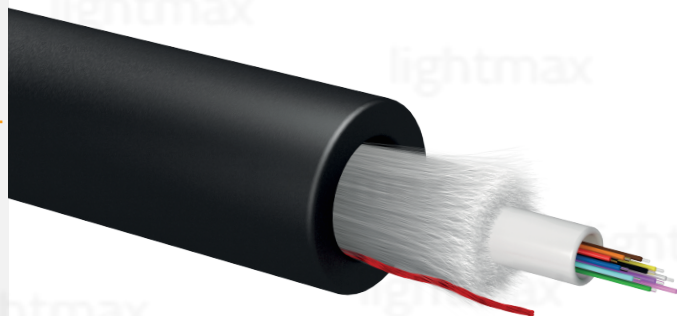
## Dielectric Outdoor Cable

### Unitube | HDPE

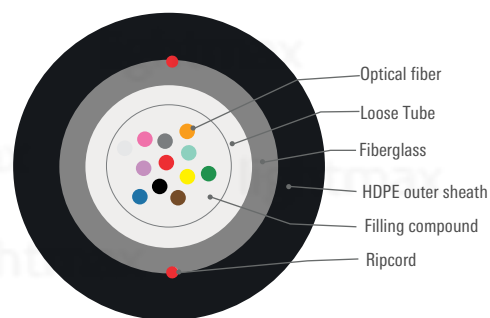
SM - G.652.D - 6 | 12 | 24 fibres

**Fca**

Dielectric outdoor cable with central loose tube, in which the optical fibers and a water protection gel are placed. This cable offers resistance to hostile environmental conditions during its installation and operation and it has an HDPE UV protected outer sheath. It contains laminated glass yarns as reinforcing and rodent protection.



[Pictures for reference purposes only]



| G.652.D FIBRE OPTIC SPECIFICATIONS |               |                         |
|------------------------------------|---------------|-------------------------|
| Fibre type                         |               | Single Mode             |
| Core diameter                      |               | 9 $\mu$ m               |
| MFD                                | @1310 nm      | 9.2 $\pm$ 0.4 $\mu$ m   |
|                                    | @1550 nm      | 10.4 $\pm$ 0.5 $\mu$ m  |
| Cladding diameter                  |               | 124.8 $\pm$ 0.7 $\mu$ m |
| Coating diameter                   | Before colour | 245 $\pm$ 10 $\mu$ m    |
| Cladding non circularity           |               | $\leq$ 0.7 %            |
| Core/Cladding concentricity error  |               | $\leq$ 0.5 $\mu$ m      |
| Attenuation                        | @1310 nm      | $\leq$ 0.40 dB/km       |
|                                    | @1550 nm      | $\leq$ 0.30 dB/km       |
| Standard                           |               | ITU-T G.652.D           |

Fibres & tube colours

[France Télécom]

|        |    |        |    |        |    |        |    |        |
|--------|----|--------|----|--------|----|--------|----|--------|
| Fibres | 01 | Red    | 07 | Orange | 13 | Red    | 19 | Orange |
|        | 02 | Blue   | 08 | Grey   | 14 | Blue   | 20 | Grey   |
|        | 03 | Green  | 09 | Brown  | 15 | Green  | 21 | Brown  |
|        | 04 | Yellow | 10 | Black  | 16 | Yellow | 22 | Black  |
|        | 05 | Violet | 11 | Aqua   | 17 | Violet | 23 | Aqua   |
|        | 06 | White  | 12 | Pink   | 18 | White  | 24 | Pink   |

Features:

- Dielectric cable.
- HDPE UV protected outer sheath.
- Fibre count from 6 | 12 | 24 fibres.
- SM - G.652.D fibre.
- Specific colour code on fibres.
- 2 ripcords under outer sheath.
- 1000 N max. tensile.

| CABLE SPECIFICATIONS       |                   |         |                          |     |     |
|----------------------------|-------------------|---------|--------------------------|-----|-----|
| Fibres count               |                   |         | 6                        | 12  | 24  |
| Loose tube diameter        |                   | mm      | 3.0                      | 3.6 | 4.1 |
| Nominal cable diameter (D) |                   | mm      | 6.0                      | 6.5 | 6.8 |
| Cable weight               |                   | kg/km   | 32                       | 35  | 40  |
| Outer sheath               | Material   Colour | —       | HDPE   Black             |     |     |
| Water blocking             |                   | —       | Gel inside loose tube    |     |     |
| Non metallic armour        |                   | —       | Laminated glass yarns    |     |     |
| Ripcord                    |                   | —       | 2                        |     |     |
| Temperature                | Storage           | °C      | -40 ~ 70                 |     |     |
|                            | Operating         | °C      | -30 ~ 70                 |     |     |
| Bend radius                | Load              | —       | 20 x D                   |     |     |
|                            | Unload            | —       | 10 x D                   |     |     |
| Crush resistance           |                   | N/10 cm | 1500                     |     |     |
| Max. Tensile               |                   | N       | 1000                     |     |     |
| Standard                   |                   |         |                          |     |     |
|                            |                   |         | E1 - Tensile             |     |     |
|                            |                   |         | E3 - Crush               |     |     |
|                            |                   |         | E4 - Impact              |     |     |
| IEC 60794-1-2              |                   |         | E6 - Repeated bending    |     |     |
|                            |                   |         | E7 - Torsion             |     |     |
|                            |                   |         | F1 - Temperature cycling |     |     |

| Part Numbers                                      |
|---------------------------------------------------|
| LMCAOU2DDU006FM06HDPB2F   LMCAOU2DDU012FM12HDPB2F |
| LMCAOU2DDU024FM24HDPB2F                           |

Rel. 7-EN/AUG24