# Cable 12 SM monotube loose optical fibers LSZH-FR. Euroclass Dca

**CPR Dca**

outer cover
water-blocking gel
thermoplastic subduct
aramids
tearing thread
bare fib 250 µm
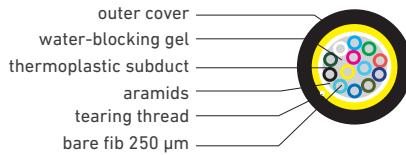
| MODEL | | CFH-012D |
|---|---|---|
| REF. | | 8045 |
| Number of fibers | | 12 |
| Core diameter and clading | | 9 / 125 µm |
| Loose fiber | Diameter | 850 µm ±50µm |
| | Colour | Green, Red, Blue, White, Grey, Violet, Brown, Orange, Yellow, Turquoise, Light green, pink |
| External cover | Outer diameter | 3.0 ±0.1 mm |
| | Thickness | 0.7 ±0.05 mm |
| | Material | LSZH-FR-UV |
| | CPR | Dca-s2, d2, a2 |
| | Colour | Black |
| Blocking water passage | | Protective grease |
| Tear wire | | Polyester thread |
| Pulling element | | Aramid ropes |
| Single-mode fiber type | | G657A2 |
| Diameter of mode fields | 1310 nm | 9.2 ±0.4 µm |
| | 1550 nm | 10.4 ±0.5 µm |
| Diameter of the clading | | 124.8 ±0.7 µm |
| No circularity of the clading | | ≤0.7 % |
| Concentricity error of the clading or coating | | ≤0.5 µm |
| Diameter over primary protection | | 245 ±5 µm |
| Non-circularity of primary protection | | ≤6.0 % |
| Primary protection concentration error | | ≤12 µm |
| Cutting wavelength | | $\lambda cc \leq 1260$ nm |
| Attenuation | 1310nm | ≤0.4 dB/km |
| | 1550nm | ≤0.3 dB/km |
| Radius loss curvature | 1 turn x radius 7.5mm @ 1550nm | ≤0.1 dB |
| | 1 turn x radius 7.5mm @ 1625nm | ≤1.0 dB |
| Tension (Long Term) | | 300 N |
| Tension (Short Term) | | 1000 N |
| Crush (Long Term) | | 300 N/10 cm |
| Crush (Short Term) | | 1000 N/10 cm |
| Min. Bend Radius (Dynamic) | | 20D mm |
| Min. Bend Radius (Static) | | 10D mm |
| Installation Temperature | | -10~ +50 ℃ |
| Operating Temperature | | -20~ +60 ℃ |
| Storage Temperature | | -20~ +60 ℃ |

- Loose SM fiber flexible gel-free multi-tube cables.

- The fibers are protected by a grease that is easy to remove before fusion. The inner sub-conduct is very flexible for easy handling.

- This sub-line can be removed without the need of tools. The LSZH-FR-UV external cover, allows installing in outside areas.

**Standard**
ITU-T·G·657 A2
IEC-60794
IEC 60793
IEC61034
IEC60754
IEC60332-1

**RoHS Compliant**

## Optical fiber Installations

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