

## Cable A-DQ2Y\_12xn\_G657A1\_200um\_LT

30 PAIR TELECOM CABLE, PE INSULATED, ARMOURED, OUTER PVC SHEATH



### Description and application

Mini optic-fibre cables designed to be installed by blowing in micro-ducts.

Cables used for medium or long distance telecommunications networks and designed with single mode type ITU-T G657A1 200µm.

### Construction

- Central element: Fibreglass reinforced plastic rod.
- Loose Tubes: PBT loose tubes filled with thixotropic compound. Optional fillers depending on the cable structure
- Core formation: Tubes stranded in SZ
- Core wrapping: Water-blocking tape and/or yarns to avoid water propagation.
- Outer sheath: Black HDPE, UV resistant outer jacket with a ripcord.
- Sheath marking:
  - CABLESCOM - Num of fibres - Fibre type - Year/Month - "Batch Number" - Length Marks

## MODULARITY 12 FO / TUBE

|                                  |  |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
|----------------------------------|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| FO No.                           | 12   | 24                                 | 48                                 | 72                                 | 96                                 | 144                                | 192                                | 288                                |
| No. Micromodules/Tubes           | 1+5  | 2+4                                | 4+2                                | 6+0                                | 8,00                               | 12+0                               | 1ª capa<br>8+0 2ª<br>capa<br>8+6   | 1ª capa<br>9+0 2ª<br>capa<br>15+0  |
| Weight (kg/km)                   | 19   | 19                                 | 19                                 | 19                                 | 28                                 | 45                                 | 56                                 | 63                                 |
| Nominal OD (mm)                  | 4,5  | 4,5                                | 4,5                                | 4,5                                | 5,2                                | 6,8                                | 7,7                                | 8                                  |
| Maximum tensile strength MAT (N) | 200 N  |                                    |                                    |                                    | 1000 N                             |                                    |                                    |                                    |
|                                  | (Δεf ≤ 0,6%, Δα ≤ 0,05 dB/km después del test)   |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| Impact resistance                | 2 J  |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
|                                  | 300 mm Δα reversible (Δα ≤ 0,05 dB/km después del test)  |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| Curvature                        | R : 20 x ø cable; 4 turns; 3 ciclos  |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| Crush resistance                 | 300 N/10 cm; 15 min; 3 posiciones (500mm aparte) Δα reversible (Δα ≤ 0,1 dB/km después del test) |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| Thermal cycle                    | -20 °C / 70 °C; Δα < 0.1 dB/km K61   | -20 °C / 70 °C; Δα < 0.1 dB/km K62 | -20 °C / 70 °C; Δα < 0.1 dB/km K63 | -20 °C / 70 °C; Δα < 0.1 dB/km K64 | -20 °C / 70 °C; Δα < 0.1 dB/km K65 | -20 °C / 70 °C; Δα < 0.1 dB/km K66 | -20 °C / 70 °C; Δα < 0.1 dB/km K67 | -20 °C / 70 °C; Δα < 0.1 dB/km K68 |
| Water penetration                | LP agua ≤ 3 m (24 horas); Sin fuga   |                                    |                                    |                                    |                                    |                                    |                                    |                                    |
| Jacket Thickness / FRP Diam (mm) |  |                                    |                                    |                                    |                                    |                                    |                                    |                                    |