

## Cable A-DQ2Y\_12xn\_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 G652D or G657A1.

### 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+0 | 12+0 | 1ª capa 8+0 2ª capa 8+6 | 1ª capa 9+0 2ª capa 15+0 |
| Weight (kg/km)                   | 26  | 25  | 25  | 24     | 35  | 55   | 70                      | 76                       |
| Nominal OD (mm)                  | 5,4   | 5,4 | 5,4 | 5,4    | 6,3 | 8    | 8,8                     | 9,3                      |
| Maximum tensile strength MAT (N) | 500 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 apart) Δα reversible (Δα ≤ 0,1 dB/km después del test) |     |     |        |     |      |                         |                          |
| Thermal cycle                    | -15 °C / 70 °C; Δα < 0.1 dB/km  |     |     |        |     |      |                         |                          |
| Water penetration                | LP agua ≤ 3 m (24 horas); Sin fuga  |     |     |        |     |      |                         |                          |
| Jacket Thickness / FRP Diam (mm) |   |     |     |        |     |      |                         |                          |