

Coding of FOC constructions.

Cable construction part

1) Way of installation

- I - indoor
- O - outdoor
- U - universal
- S - ADSS (All Dielectric Self-Supporting)
- K - Fig.8 (self-supporting with steel rope messenger)
- Q - fire-resistant to IEC 60331-25
- M - mini/micro-cable (for blowing to micro-duct)

2) Buffer – secondary protection (LT or TB) type

- B9 - 900µm tight buffer (e.g. B9e)
- B6 - 600µm tight buffer (e.g. B6t)
 - e - "easy-stripability" (> 1,5m)
 - t - "tight-stripability" (5-30cm)
- T - gel filled PBT loose-tube (with up to 12 fibres)
- X - gel filled PBT loose-tube (with up to 24 fibres)
- t - flexible loose-tube (with up to 12 fibres)
- x - flexible loose-tube (with multiple groups of fibres)

3) Buffer count & diameter in mm (e.g.: 6x2,3)

- 1 - unitube (LT) or simplex construction (TB)
- 2 - 2 loose-tubes (flat LT cable) or duplex construction (TB)
- 3 - 12 loose-tubes or tight-buffers
- 4,5,6,8 - number of loose-tubes or tight-buffers
- 7 - 16(5+11) loose-tubes or tight-buffers (in two layers)
- 9 - 18(6+12) loose-tubes or tight-buffers (in two layers)
- 0 - 24(9+15) loose-tubes or tight-buffers (in two layers)

Fibre count&type part

- xx - number of buffers containing fibres
- yy - fibre count per each of buffers
- zz - fibre type:
 - Single-mode - **S** Multi-mode - **M**
 - S2** - G.652.D **M1** - OM1 (BW 220/600 MHz.km)
 - S4** - G.654 **M2** - OM2 (BW 500/500 MHz.km)
 - S5** - G.655 **M3** - OM3 (BW 1500/500 MHz.km)
 - S6** - G.656 **M4** - OM4 (BW 3500/500 MHz.km)
 - S7** - G.657.A1 **M5** - OM5 (to be specified)
 - S8** - G.657.A2/B2 **M6** - OM2+ (BW 600/1200 MHz.km)
 - S9** - G.657.A3/B3

4) Water-blocking

- J - jelly filled cable core

5) Strength member(s) in/under sheath

- A - aramid yarns
- E - e-glass yarns (standard rodent protection)
- G - e-glass yarns (improved rodent protection)
- R - 2 FRP rods integrated in the outer sheath
- D - 2 steel wires integrated in the outer sheath
- f - 2 FRP rods under the outer sheath - flat construction

6) Armour

- C - corrugated steel tape armour (CSTA)
- W - steel wire armour (SWA)
- P - fibre reinforced plastic rod armour (FRPA)
- Z - laminated aluminium tape under sheath

7) Sheath material

- F - FRLSOH (fire-retardant, low-smoke, zero-halogen)
- H - HDPE (high-density polyethylene)
- L - LDPE (low-density polyethylene)
- N - PA (polyamide - nylon)
- Y - PVC (polyvinylchloride)
- V - PUR (polyurethane)

Outer sheath colour

- | | |
|------------|----------------|
| R - red | V - violet |
| E - green | T - turquoise |
| U - blue | B - black |
| Y - yellow | O - orange |
| W - white | P - pink |
| G - grey | I - ivory |
| N - brown | L - lime green |