

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

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