Coding of FOC constructions.

**Cable construction part**

1) **Way of installation**
- I - indoor
- O - outdoor
- U - universal

2) **Buffer – secondary protection (LT or TB) type**
- B9 - 900µm tight buffer (e.g. B9e)
- B6 - 600µm tight buffer (e.g. B6t)
- T - gel filled PBT loose-tube (with up to 12 fibres)
- Te - dry type PBT loose-tube (with up to 12 fibres)
- X - gel filled PBT loose-tube (with up to 24 fibres)
- Xe - dry type PBT loose-tube (with up to 24 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)

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)
- r - rip cord under sheath

**Fibre count&type part**

- xx - number of buffers containing fibres
- yy - fibre count per each of buffers
- zz - fibre type:

<table>
<thead>
<tr>
<th>Single-mode</th>
<th>Multi-mode</th>
<th>M</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2 - G.652.D</td>
<td>M1 - OM1 (BW 220/600 MHz.km)</td>
<td></td>
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<tr>
<td>S4 - G.654</td>
<td>M2 - OM2 (BW 500/500 MHz.km)</td>
<td></td>
</tr>
<tr>
<td>S5 - G.655</td>
<td>M3 - OM3 (BW 1500/500 MHz.km)</td>
<td></td>
</tr>
<tr>
<td>S6 - G.656</td>
<td>M4 - OM4 (BW 3500/500 MHz.km)</td>
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</tr>
<tr>
<td>S7 - G.657.A1</td>
<td>M5 - OM5 (to be specified)</td>
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</tr>
<tr>
<td>S8 - G.657.A2/B2</td>
<td>M6 - OM2+ (BW 600/1200 MHz.km)</td>
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</tbody>
</table>

**Outer sheath colour**

- R - red
- S - green
- U - blue
- Y - yellow
- W - white
- G - grey
- N - brown
- H - heather-violet

- V - violet
- T - turquoise
- B - black
- O - orange
- P - pink
- I - ivory
- L - lime green

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