Coding of FOC constructions.

Cable construction part

1) Way of installation
I - indoor
O - outdoor
U - universal
S - ADSSS (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-strippingability” (> 1,5m)
t - “tight-strippingability” (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 - 165+11) loose-tubes or tight-buffers (in two layers)
9 - 186+12) loose-tubes or tight-buffers (in two layers)
0 - 242+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)

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

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