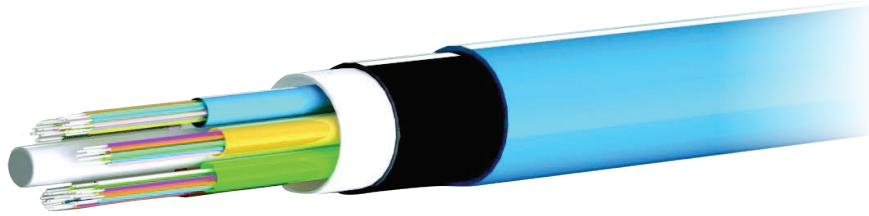


NYLON JACKET LOOSE TUBE

PART NUMBER: PTL-XXC-YYY



PRODUCT DESCRIPTION

SERVEREDGE nylon jacket dielectric loose tube fibre cable is suited to external underground installations in ducts by pulling, jetting or floating techniques or by direct burial in open-cut trenches. Loose tube cable offers a cost-effective and rugged solution for medium and long distance external fibre runs. SERVEREDGE nylon jacket loose tube cable is available in OM3, OM4 and Single mode OS2.

PRODUCT FEATURES

- Non-metallic and anti-buckling element FRP rod used as Central Strength Member.
- Water swellable yarn helically wrapped over central strength member.
- Loose buffer tubes fully filled Thixotropic Jelly
- Loose buffer tubes S-Z Stranded
- Glass Yarn as peripheral strength member
- Cable core is wrapped with water swellable Tape
- HDPE Black for inner sheath
- Outer jacket of Polyamide-12, Blue
- Particularly robust cable and insect resistance
- Complies with relevant ITU and IEC standards and specifications

APPLICATION

- Direct burial / Inside Duct
- In areas with particularly high mechanical loads

COLOUR CODING

Colour of Fibres in a Tube (6F/Tube) :	Blue, Orange, Green, Brown, Grey & White
Colour of Fibres in a Tube (12F/Tube) :	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink & Aqua
Colour of Loose Tubes (for 24F Cable):	Blue, Orange, & four black filler
Colour of Loose Tubes (for 12F Cable):	Blue & five black filler
Colour of Loose Tubes (for 24F Cable):	Blue, Orange, & four black filler
Colour of Loose Tubes (for 48F Cable):	Blue, Orange, Green, Brown & two black filler

Note: For 6 Fibre cable there will be 6 Fibre/Tube
For 12/24/48 Fibre cable there will be 12 Fibre/Tube

GUARANTEE/WARRANTY

Serveredge products are manufactured at the highest standards using highest quality materials at an affordable price. This Serveredge product comes with a 2 year warranty standalone or a 25 years warranty as part of a certified structured cabling project. Subject to Serveredge Terms and Conditions*

MECHANICAL CHARACTERISTICS

Temperature Range (IEC 60794-1-2-F1)	-30° to +70°C
Cable Bending Radius (IEC 60794-1-2-E11A)	20 x D, D = Cable Diameter
Repeated Bending (IEC 60794-1-2-E6)	30 Cycle, r= 20 X D, 10 Kg Load, D = Cable Diameter
Tensile Force (IEC 60794-1-2-E1)	2000 N (Max.)
Torsion Resistance (IEC 60794-1-2-E7)	10 Cycle (± 360°) 10 Kg Weight, L= 2 Mtr
Crush Resistance (IEC 60794-1-2-E3)	2000 N (100 X 100 mm) for 60 sec
Impact Resistance (IEC 60794-1-2-E4)	Height 500 mm, Weight = 3 Kg, 3 Nos
Kink Resistance (IEC 60794-1-2-E10)	10 x D, D = Cable Diameter
Water Penetration (IEC 60794-1-2-F5B)	1 Mtr Water Head, 3 Meter Cable Sample, 24 Hours

OPTICAL CHARACTERISTICS

Single Mode	
at 1310 nm	≤0.35 dB/Km
at 1550 nm	≤0.23 dB/Km

Multi Mode			
Attenuation	OM2	OM3	OM4
at 850 nm (dB/Km)	≤3.0	≤3.0	≤3.0
at 1300 nm (dB/Km) ≤1.0 ≤1.0 ≤1.0 ≤1.0	≤1.0	≤1.0	≤1.0
Bandwidth			
at 850 nm (MHz.km)	≥500	≥1500	≥3500
at 1300 nm (MHz.km)	≥500	≥500	≥500

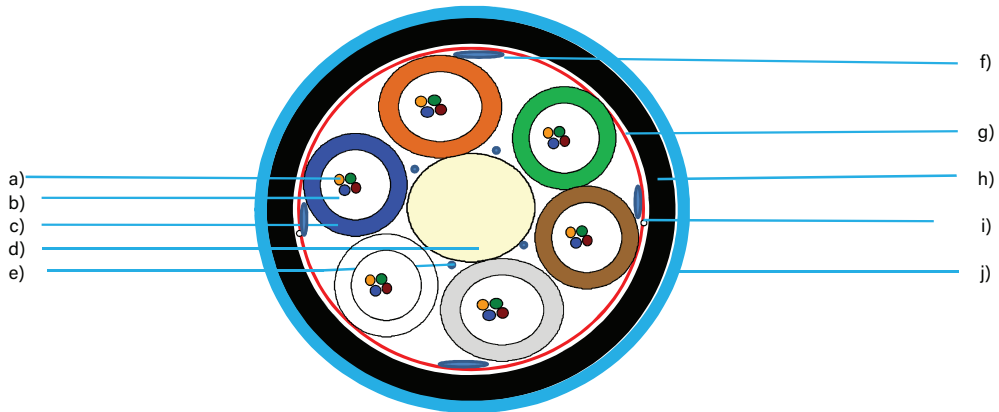
DELIVERY INFORMATION

Nominal Cable Weight (Kg/Km)	80 +/- 15
Nominal Cable Diameter (mm)	10.2 +/- 0.5
Standard Length per Drum (Mtr)	2000 /4000 ± 10 %

CABLE CONSTRUCTIONAL DETAILS

a) Primary Coated Fibre	Single Mode/Multimode
b) Tube Filling	Compound Thixotropic Jelly
c) Loose Tube(s)	PBTP
d) Central Strength Member	FRP Rod
e) Water Swellable Yarn	Helically wrapped over central strength member
f) Perephral Strength Member	Glass Yarn
g) Core Wrapping/ Water blocking media	Water swellable tape
h) Inner Sheath (T = 1.2 mm Nom)	HDPE, Black
i) Rip Cords	Beneath Inner sheath
j) Outer Jacket (T= 0.4 mm Nom)	Polyamide-12, Blue

CROSS SECTION



ORDERING INFORMATION

PTL-XXC-YYY

NUMBER OF CORES

FIBRE TYPE

6
12
24
48

OM3
OM4
OS2