

PRE-TERMINATED LC/LC NYLON JACKET LOOSE TUBE FIBRE CABLE

PART NUMBER: PTL-06C-OS2-YYY - PTL-12C-OS2-YYY - PTL-06C-OM4-YYY - PTL-12C-OM4-YYY



PRODUCT DESCRIPTION

SERVEREDGE Off The Shelf, Pre-terminated 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. Pre-terminated loose tube cables offers a cost-effective and rugged solution for medium and long distance external fibre runs and eliminate time consuming on-site fibre termination and splicing.

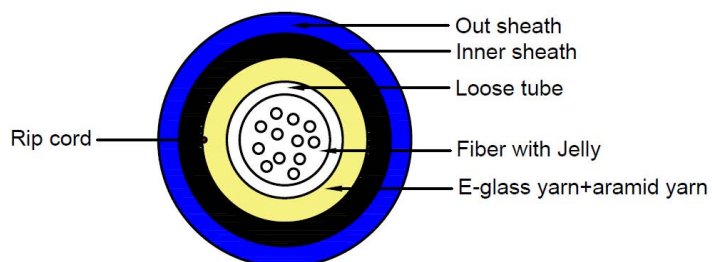
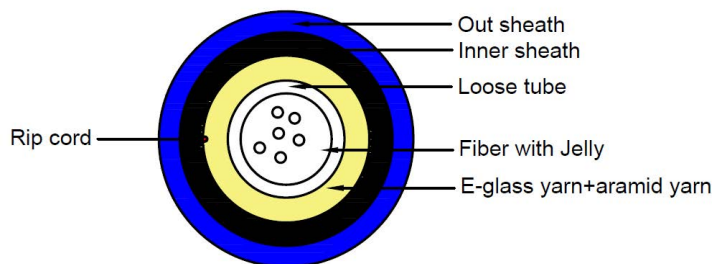
SERVEREDGE Off The Shelf Pre-terminated fibre cables come terminated with LC Duplex Connectors, 2mm Sleeving, Staggered Terminations and Pulling Mesh (on the leading end). Available in Multi Mode OM4 and Single Mode OS2.

PRODUCT FEATURES

- Water swellable yarn helically wrapped over central strength member.
- Loose buffer tubes fully filled Thixotropic Jelly
- 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
- Pre Terminated LC Duplex Connectors
- Staggered Termiantions and Pulling Mesh on the leading end.
- Particularly robust cable and insect resistance
- Complies with relevent ITU and IEC standards and specifications

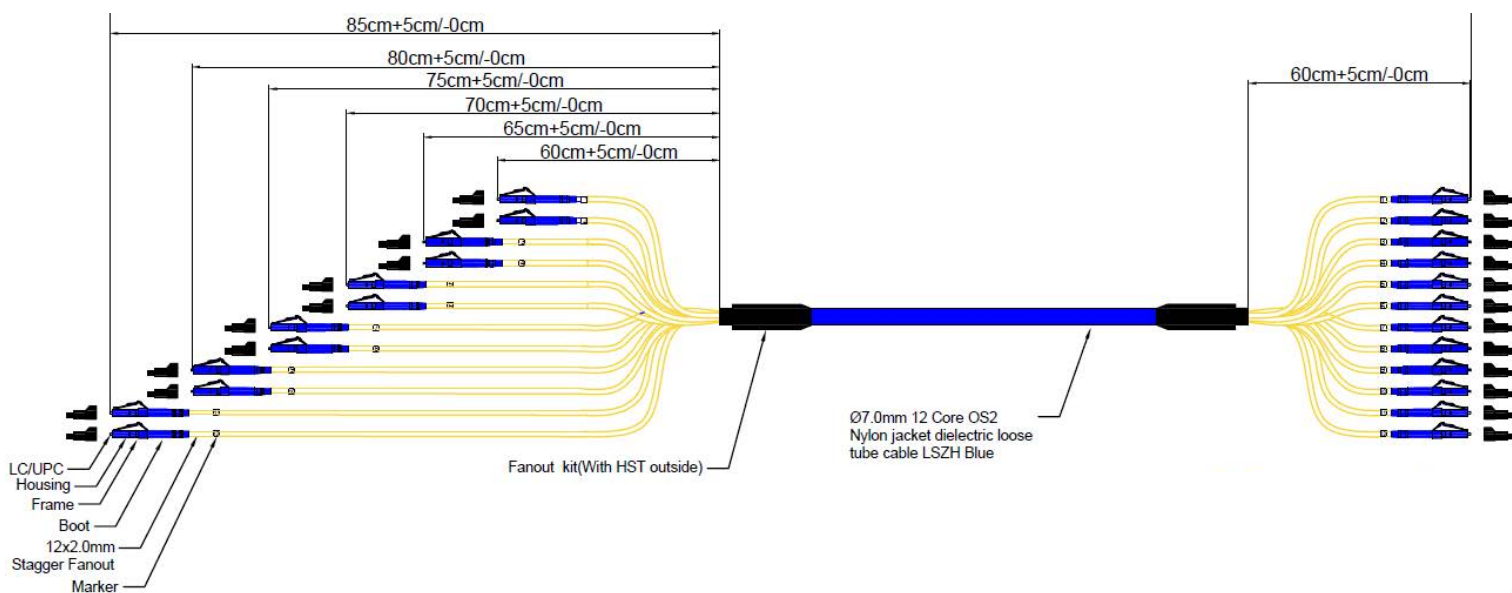
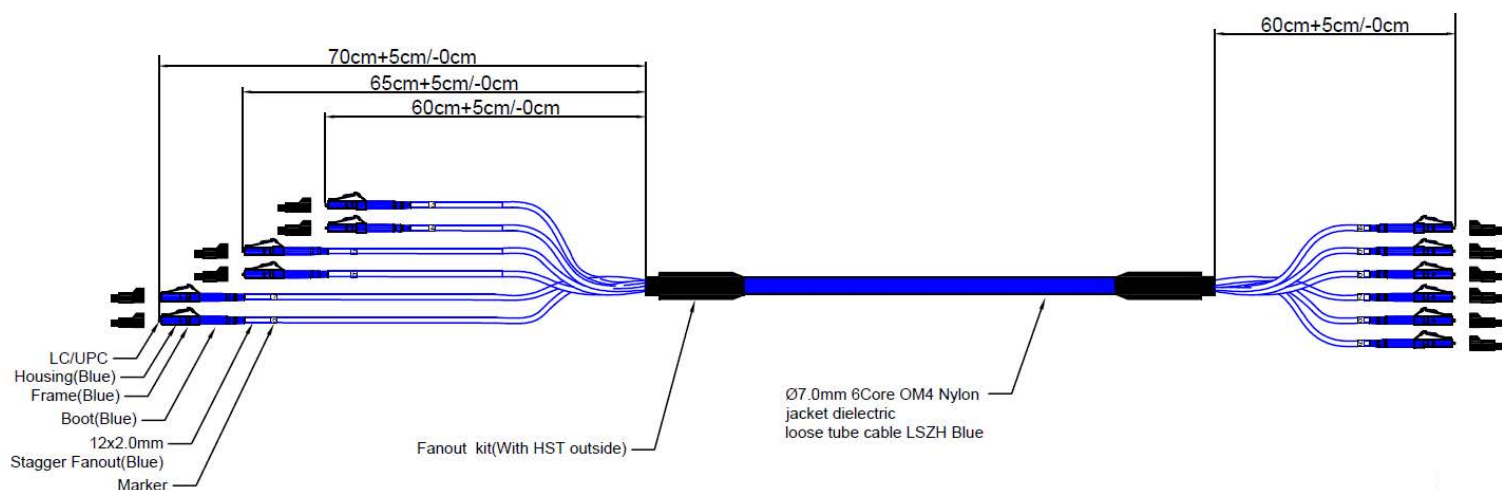
APPLICATION

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



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

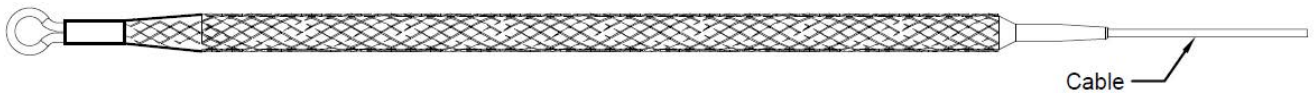
OPTICAL CHARACTERISTICS

Single Mode		OS2
at 1310 nm		≤ 0.35 dB/Km
at 1550 nm		≤ 0.23 dB/Km

Multi Mode		OM4
Attenuation		
at 850 nm (dB/Km)		≤ 3.0
at 1300 nm (dB/Km)	$\leq 1.0 \leq 1.0 \leq 1.0 \leq 1.0$	≤ 1.0
Bandwidth		
at 850 nm (MHz.km)		≥ 3500
at 1300 nm (MHz.km)		≥ 500

CABLE CONSTRUCTIONAL DETAILS

* Primary Coated Fibre	Single Mode/Multimode
* Tube Filling	Compound Thixotropic Jelly
* Loose Tube(s)	PBTP
* Central Strength Member	FRP Rod
* Water Swellable Yarn	Helically wrapped over central strength member
* Perephral Strength Member	Glass Yarn
* Core Wrapping/ Water blocking media	Water swellable tape
* Inner Sheath	HDPE, Black
* Rip Cord	Beneath Inner sheath
* Outer Jacket	Polyamide-12, Blue



Pulling Mesh on Leading End

ORDERING INFORMATION

PTL-XXC-OS2-YYY

NUMBER OF CORES
6
12

PTL-XXC-OM4-YYY

CABLE LENGTH