

# Fibre Optic Cabling

## Uni Tube CST Armoured Cable OS2 Blue

The Fibrefox Uni Tube Steel Tape Armoured Cable is suitable for installation in the most demanding, harsh environments. The cable has excellent tensile strength, crush resistance characteristics and is also rodent proof. The cable consists of a central jelly filled tube, with up to twenty four optical fibres inside.

The tube is protected with a water blocking glass yarn and a thick inner corrugated steel tape armour is then applied. A blue FRNC/LSZH outer sheath then protects the cable construction and is extremely resistant to the ingress of moisture.

A choice of multimode and singlemode fibre types and specifications are offered ranging from 2, up to 24 fibre configurations. This tough rugged cable is ideal for all external environments including LAN direct burial, tunnels and heavy-duty ducts.

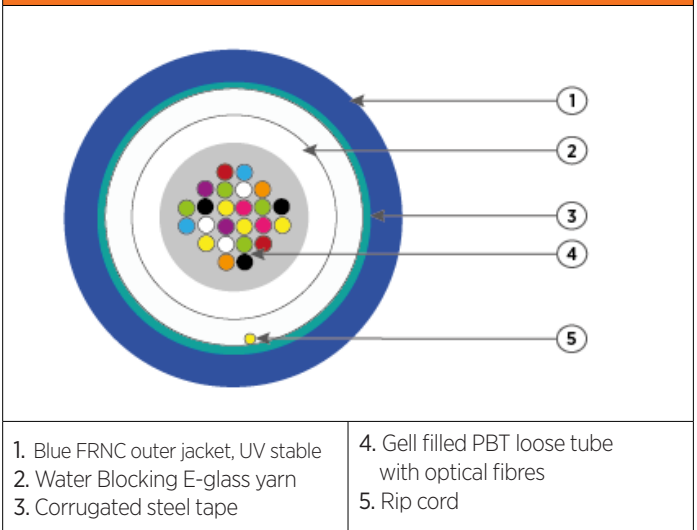
### Features and Benefits

- High tensile strength and crush resistant
- Choice of fibre type and specification - up to 24 fibres
- Suitable for harsh external environments
- Corrugated Steel Armouring tape
- 50/125, 62.5/125 & singlemode fibre types
- Rodent proof

Cable Specifications	
Jacket Material	Blue/LSZH
Max. Tensile Strength	2000 N
Crush Resistance	3000 N/10cm
Torsion	+/- 180°C
Min. Bend Radius	10 x cable diameter
Min. Bend Radius (Load)	20 x cable diameter
Moisture Resistance	Passed
Temperature Range	Installation: -30°C to +70°C, Operation: -30°C to +70°C, Storage: -30°C to +70°C
Nominal Weight	100 +/- 10 kg/km
Standard Put-up Length	2100m, 4100m
Loose Tube Diameter	2.2/2.8 +/- 0.1mm
Cable Outer Diameter	8.4 +/- 0.5mm
Peripheral Strength Member	Glass Yarn
Moisture Barrier	Water Swellable Yarn
Armoring	0.150mm ECCS Tape
No of Ripcords	1
No of Loose Tubes	1
LSZH Jacket Conforms to	IEC 60332-1, IEC 61034 and IEC 60754



### Diagram



### Free Cut to Length Service

Connectix hold extensive stock of multi purpose tight buffered distribution cables. We offer a fast turnaround cut to length service providing lengths to your exact requirements. This service is free of charge, and all orders from stock can be available for next day delivery.

For core specification please refer to [Fibre Specification data sheet](#).

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Fibre Specifications						
Fibre Type		OS2				
No of Fibres		4	8	12	16	24
Attenuation	at 1310nm	$\leq 0.36$ dB/km				
	at 1550nm	$\leq 0.23$ dB/km				
Chromatic Dispersion	1285 - 1330nm	$\leq 3.5$ ps/nm.km				
	1550nm	$\leq 18$ ps/nm.km				
Zero Dispersion Wavelength		1300-1324nm				
Zero Dispersion Slope		$\leq 0.092$ ps/nm <sup>2</sup> .km				
Polarisation Mode Dispersion		$\leq 0.2$ ps/ $\sqrt{\text{km}}$				
Cut-off Wavelength		$\leq 1260$ nm				
Mode Field Diameter at 1310nm		$\leq 9.2 \pm 0.4$ $\mu\text{m}$				
Core Cladding Concentricity Error		$\leq 0.8$ $\mu\text{m}$				
Cladding Diameter		125 $\pm 1$ $\mu\text{m}$				
Cladding Non-circularity		$\leq 1\%$				
Coating Diameter		245 + 10 $\mu\text{m}$				

Ordering Information	
Product Description	Part Number
Uni Tube CST OS2 9/125 (Blue) 4 fibre	002-005-014-04 LS
Uni Tube CST OS2 9/125 (Blue) 8 fibres	002-005-014-08 LS
Uni Tube CST OS2 9/125 (Blue) 12 fibres	002-005-014-12 LS
Uni Tube CST OS2 9/125 (Blue) 16 fibres	002-005-014-16 LS
Uni Tube CST OS2 9/125 (Blue) 24 fibres	002-005-014-24 LS