

Armoured CST Fibre Optic Cable

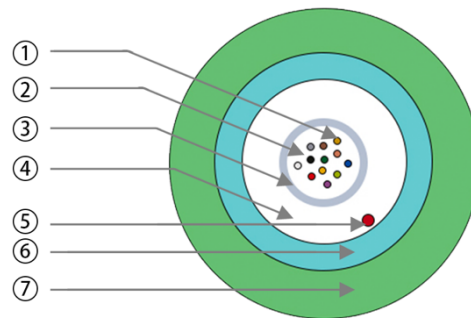
Description

The CST fibre optic cable has a metal protect layer of corrugated steel tape between the loose tube and outer cable sheath. All optical fibre is placed into a fiber jelly filled loose tube, and an extra fiber glass yarn inside the CST armor. With large fiber count, a central strength member and will be added among the multi loose tubes. And cable is finished with a PE, LSZH cable sheath.

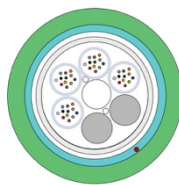
Corrugated steel tape armoured loose cable has excellent performance on tensile strength, crush resistance, water-blocking and rodent proof characteristics.

Structure

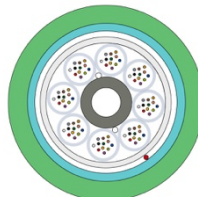
- ① Optical fiber
- ② Filling jelly compound
- ③ Loose tube
- ④ Water blocking glass yarn
- ⑤ Rip cord
- ⑥ Corrugated steel tape
- ⑦ Outer sheath



Similar Structure



Multi loose tube
up to 96 core



Multi loose tube
up to 288 core

Characteristics

- Excellent CST crush and tensile pressure resistance
- Low cost and small uni-tube diameter for easy installation
- Water-blocking materials and hydrolysis resistant high strength loose tube
- Suitable for interior and exterior harsh environment
- 4 core up to 288 core and cable sheath choices

Application

Direct burial, duct and backbone communication cabling

Optical Characteristics

Optical Characteristics		G.652	G.655	50/125 μ m	62.5/125 μ m
Attenuation (+20°C)	@850nm			≤ 3.0 dB/km	≤ 3.0 dB/km
	@1300nm			≤ 1.0 dB/km	≤ 1.0 dB/km
	@1310nm	≤ 0.36 dB/km	≤ 0.40 dB/km		
	@1550nm	≤ 0.22 dB/km	≤ 0.23 dB/km		
Bandwidth	@850nm			≥ 600 MHz·km	≥ 200 MHz·km
	@1300nm			≥ 1200 MHz·km	≥ 600 MHz·km
Numerical Aperture				0.200 ± 0.015 NA	0.275 ± 0.015 NA
Cable Cut-off Wavelength λ_{cc}		≤ 1260 nm	≤ 1450 nm		

Technical Characteristics

Fiber Count	Loose Tubes + Fillers	Fibers per Tube	CSM Diameter (mm)	Outer Jacket Thickness (mm)	Cable Diameter (mm)	Weight (kg/km)
4	1	4	-	1.5 ± 0.1	8.1 ± 0.5	82
8	1	8	-	1.5 ± 0.1	8.1 ± 0.5	82
12	1	12	-	1.5 ± 0.1	8.1 ± 0.5	82
24	1	24	-	1.5 ± 0.1	8.7 ± 0.5	91
48	1+6	12	2.3/2.3	1.6 ± 0.1	12.2 ± 0.5	166
96	1+8	12	3.4/3.4	1.6 ± 0.1	13.1 ± 0.5	192
144	1+12	12	3.4/6.3	1.6 ± 0.1	15.9 ± 0.5	263
288	1+9+5	12	3.0/4.2	1.6 ± 0.1	17.8 ± 0.5	318

Environmental Characteristics

Transport temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Storage temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Delivery Length

Standard 2km (2,000 meter) length
Other lengths are also available

Ordering Information

Model No.	Description	Remark
CST Fiber Cable	<input type="checkbox"/> Fiber count <input type="checkbox"/> Fiber type <input type="checkbox"/> Sheath material <input type="checkbox"/> Sheath color	Contact our sales or technical dept for more information: Sales: sales@honecable.com Technical: tony@honecable.com