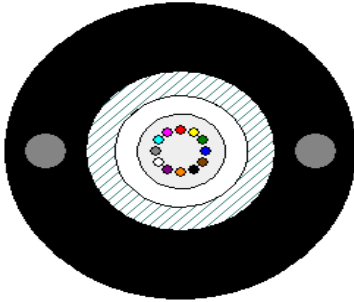


## CTC CST 2,7KN 12xSM A-DQ(SR)2Y

Outdoor armored optical cable, with Corrugated Steel Tape armor, UV protection, improved rodent protection, easy to install in ducts, tunnels, trenches and tubes. Suitable for direct burial.



Core - central tube.  
 PBT tube coating.  
 Optical tube water-blocking - tube filling compound.  
 Armor - double-side laminated corrugated steel tape.  
 Strength members - steel wire.  
 Outer PE sheath.

### Cable Design

No. of Fibers		up to 12
Layout (tubes x Fiber)		1 x 12
Central Tube	mm	3
Outer Sheath thickness	mm	1,8
Cable Diameter	mm	7,9
Cable Weight	kg / km	70

### APPLICATION: For use in Long-Haul, Metro or Access Networks, for air-blowing installation

Temperature Range	Transport & Storage:	-40 to +70 °C	Minimum Bending Radius	
	Installation:	-10 to +50 °C	Dynamic:	20 x cable Ø
	Operation:	-40 to +70 °C	Static:	15 x cable Ø

### MAIN CHARACTERISTICS

Test	Test Standard	Specified Value	Requirement *
Max Tension	IEC 60794-1-21E1	2700 N	$\Delta\alpha \leq 0.05$ dB, no damage
Crush	IEC 60794-1-21-E3	4000 N / 100 mm, max. 1 min	$\Delta\alpha \leq 0.05$ dB, no damage
Impact	IEC 60794-1-21-E4	10 Nm, 3 impacts, R = 300 mm	$\Delta\alpha \leq 0.05$ dB after the test
Torsion	IEC 60794-1-21-E7	100N, $\pm 360^\circ$ , 20 cycles, 4m	$\Delta\alpha \leq 0.05$ dB, no damage
Repeated Bending	IEC 60794-1-21-E6	R=20 x D, 100N, 25 cycles	no damage
Cable Bend	IEC 60794-1-21-E11	R=15 x D, 4 turns, 3 cycles	$\Delta\alpha \leq 0.05$ dB, no damage
Temperature Cycling	IEC 60794-1-22-F1	-40 to +70 °C	$\Delta\alpha \leq 0.15$ dB/km
Water Penetration	IEC 60794-1-2-F5B	sample=3m, water column=1m, 24h	no water leakage after 24 hours

\* all optical measurements performed at @1550nm



**OPTICAL FIBERS AND LOOSE TUBES COLOUR IDENTIFICATION**

**Fiber Colours**

<b>No.</b>	1	2	3	4	5	6	7	8	9	10	11	12
<b>Colour</b>	Red	Yellow	Green	Blue	Brown	Black	Orange	Violet	White	Grey	Aqua	Pink
<b>No.</b>												
<b>Colour</b>												

**Buffer Tube Colours**

<b>No.</b>	1											
<b>Colour</b>	Natural											

**Fibers Parameters**

		ITU-T G.652.D
Attenuation coefficient [dB/km]	1310 nm	0.35
	1550 nm	0.21
	1625 nm	0.23

**Cable marking**

<Cable type><Optical cable><Batch number><Year><meter marking>

**Reel Length**

Standard reel length: 2/3/4/5/6 km/reel (tolerance +/- 5%)

Other lengths are also available

**Cable Drum**

The cables are packed in wooden disinfected (heat treated) drums

**Cable Packing**

Both ends of the cable will be sealed with suitable plastic caps to prevent the entry of moisture during shipping, handling and storage. The inner end is available for testing.