

**Part #: DX012**

**12 CHANNEL  
D-Series Distribution Corrugated Steel Tape (CST)  
Armored Cables**

Laser Ultra-Fox™ Fiber Performance	
Industry Standard Designation	Maximum Cabled Attenuation (dB/km)
Core/Cladding Diameter (µm)	Minimum Laser EMB Bandwidth (MHz-km)
Numeric Aperture	Minimum OFL LED Bandwidth (MHz-km)
Proof Test Level (kpsi)	100

Installation and Operating Characteristics		
Inner Cable		
	Installation	Operating
Max Tensile Load	2,700 N (600 lbs)	600 N (135 lbs)
Min Bend Radius	9.8 cm (3.9 in)	6.5 cm (2.6 in)
Outer Cable		
	Installation	Operating
Max Tensile Load	2,700 N (600 lbs)	900 N (200 lbs)
Min Bend Radius	20.1 cm (7.9 in)	13.4 cm (5.3 in)

Mechanical and Environmental		
	Inner Cable	Entire Cable
Impact Resistance EIA/TIA-455-25A	1,500 Impacts	20 impacts (EIA-TIA-455-25A)
Crush Resistance TIA/EIA-455-41A	1,800 N/cm	440 N/cm (EIA-TIA-455-25A)
Flex Resistance	2,000 cycles	25 cycles
Operating Temperature	-40°C to +85°C	-40°C to +85°C
Storage Temperature	-55°C to +85°C	-55°C to +85°C
Installation Temperature (actual temp. of cable)	-10°C to +60°C	-10°C to +60°C
Flame Retardancy	UL Listed Type OFNR (UL 1666) and FT4 (CSA C22.2 No. 232)	

Cable Characteristics	
Inner Cable	
Jacket Color	
Jacket Material	
Buffer Material	Hard Elastomeric
Cable Weight	38 kg/km (25 lbs/1000')
Cable Diameter	6.5 mm ( 0.26 in)
Outer Cable	
Jacket Color	
Jacket Material	
Cable Weight	160 kg/km (108 lbs/1000')
Cable Diameter	13.4 mm ( 0.53 in)

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#### Standards

OCC CST armored tight-buffered fiber optic cables meet the functional requirements of the following standards:

- ICEA-S-104-696
- TIA-568
- TIA-598

### Applications:

- Ideal for installation where direct-burial or rodent protection is required

### Features:

- The steel armor is easily removed with an internal ripcord, leaving a fully functional intact riser-rated inner cable, with original cable markings for identification.
- Armored jacket is an add-on option which can be applied to most outdoor and indoor/outdoor riser-rated cables
- Inner tight-buffered cable is suitable for direct field termination with standard optical connectors