

Corrugated Steel for Optical Cable



Article Overview

Corrugated steel armored (CST) optical cables are rugged, rodent-resistant cables designed for direct burial, duct, and indoor/outdoor installations, providing mechanical protection and environmental durability.

Construction and Design

CST optical cables typically feature a central strength member (CSM) around which loose tubes containing optical fibers are stranded. The fibers are filled with a water-blocking compound to ensure longitudinal water tightness. The cable is then armored with corrugated steel tape, often coated with a copolymer for corrosion resistance, and covered with an outer polyethylene (PE) or LSZH jacket for additional protection. Ripcords beneath the steel tape facilitate easy stripping during installation.

Key Features and Advantages

- **Mechanical Protection:** The corrugated steel armor provides excellent crush resistance and compressive strength, protecting fibers from external forces.
- **Rodent Resistance:** The steel layer prevents damage from rodents, making it suitable for areas with high rodent activity.
- **Environmental Durability:** CST cables are suitable for direct burial, duct installation, and indoor/outdoor use, withstanding temperature ranges from approximately -40°C to +70°C.
- **Flexibility and Compactness:** Despite the armor, these cables remain lightweight and flexible, allowing installation in conduits, ducts, or by blowing/floating methods.
- **Flame Retardancy:** Some CST cables, especially indoor/outdoor variants, are flame...

Article Content

Armored Fiber Cable Guide

Explore QSFTEK's comprehensive guide to armored fiber optic cables, including their uses, types, applications, and

Excel Corrugated Steel Tape Armoured (CSTA) Loose

Excel corrugated steel tape (CST) armoured loose tube optical fibre cables have been designed

LAZ Optical Steel Tape Armored Unitube Cables

The range has been designed to offer enhanced mechanical properties over the Duct Grade Unitube product range. The LAZ Steel

Aksh OptiFibre Ltd. :: Optical Fibre Cables::Smartcore Steel Armoured ...

Direct Burial Cable is designed to be placed directly under the ground either by trenching or ploughing. The metallic cable is

Indoor/Outdoor Armored Cables

The steel armor is easily removed with an internal ripcord, leaving a fully functional intact riser rated inner cable, with original cable

Central Tube Steel Armor Indoor/Outdoor Cable | Corning

Corning MPC (multipurpose cable) central tube cables with corrugated steel armoring are flame-retardant, indoor/outdoor cables

Central Tube Steel Armor Outdoor Cable 6F E9

Corning central tube cables with corrugated steel armoring are designed for outdoor use for campus, city

Buy Corrugated Steel Tape (CST) | Fast Delivery, Quality Service | CMW

We provide corrugated steel tape (CST) fibre solutions. CST is a type of armoured fibre optic cable and is suitable for indoor or

Fibre Optical Central Loose Tube Cable Indoor/Outdoor, Corrugated Steel ...

Backbone Cabling, Telecommunication and Data, and Secondary distribution applications. Can be installed in ducts, trays or direct

Multi Loose Tube, Corrugated Steel Tape Armor, Fire Resistant FOC.

Solutions » Fiber Solutions » Fiber Optic Cable » Multi Loose Tube, Corrugated Steel Tape Armor, Fire Resistant FOC. Applications:

Corrugated Steel Tape Armoring Process for Loose Tube Cables

For example, if the cables are laid along the railway tracks or buried under the road where vehicle traffic is heavy, then

ARMoured(CST) PE UNI-TUBE FIBER OPTIC CABLE FUTGCP

General Description This document specifies armoured uni-tube cable with central water blocking gel filled tube which can contain up

B-Series Breakout

Inner cable is a fully functional B-Series Breakout riser-rated cable High-performance components and construction Most rugged and

2121106-2 | CommScope

Fiber Optic Outside Plant Cable, 6-core, CST (Corrugated Steel Tape) Armored, Loose-tube, Gel-filled, 50/125 μm , OM4, Multimode,

Outdoor Steel Armoured Fiber Optic Cable

A steel wire, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of the core as a metallic

Fibre Optic Cabling Uni Tube Corrugated Steel Armoured Cable

Uni Tube Corrugated Steel Armoured Cable for installation in the most demanding, harsh environments. The cable has excellent

Corrugated Steel Tape Armoured Cables

Corrugated Steel Tape Armoured Cables Home Fiber Optic Cables Outdoor Direct Buried Cables Corrugated Steel Tape Armoured

InternetCableData-corrugated steel tape armoured cable en

Static cable bending radius 15 x cable diameter -400C to +700C rmoured cables are very suitable for direct buried installation and for

144 Core Corrugated Steel Tape Armoured CST Fibre

HOC multi loose tube makes the CST fibre cable core up to 144 core. There are corrugated steel tape

Steel-Tape Armored Unitube Cables

The range has been designed to offer enhanced mechanical properties over the Duct-Grade Unitube product range. The Steel-Tape

LSZH™ Loose Tube, Gel-Free, Corrugated Armored Cable

Corning LSZH™ loose tube gel-free cables are flame-retardant, indoor/outdoor, suitable for installation in interbuilding and

006TEY-13188H2G | Central Tube Steel Armor Indoor/Outdoor Cable

Based on a central buffer tube, the cable construction is compact, light, flexible and ideal for connections requiring a moderate fiber

Multi Loose Tube Armored CST Fiber Cable

NEXCONEC® Corrugated Steel Tube Armored Multi Loose Tube is made of multiple single gel filled PBT tubes and each tube

HITRONIC® HVW Armoured Outdoor Cable

HITRONIC® HVW armoured outdoor cable with stranded loose tubes, corrugated steel tape; A-DQ

Central Uni-tube corrugated Steel Tape Armored fiber

CST Cable (Central Uni-tube Steel Tape Armored) ensures reliable fiber protection with moisture

Outdoor Steel Armored Cable

Olabs outdoor fiber optic cables help to build your network with excellent optical performance in virtually all outdoor applications. The

Draka (Prysmian) OM3 Multimode 50/125 Corrugated Steel Tape

The corrugated steel tape (CST) armour provides protection against impact, crushing and rodent damage, making the cable suitable

Outdoor Corrugated Steel Tape Armored Fiber Cable

Outdoor Corrugated Steel Tape Armored Fiber Optic Cables, PE (4-12 Fibers)
Polyethylene Outer jacket Loose Tube Buffer Water

InternetCableData-corrugated steel tape armoured cable en

Prysmian Group Direct buried cables Draka installation Optical cable for direct buried Cable Design Central Strength Member (CSM).

OM4 24 Core Armoured Fibre Cable

Buy online 24 core OM4 multimode Unitube Optical fibre cable with corrugated steel tape armoured outer jacket. Cut to order, price

CST (Armoured) | Pre-Terminated Fibre Optic Cable

4 to 24 Fibre - Uses Corrugated Steel Tape (CST or STA) cable for high rodent and crush resistance.

D-Series Distribution

DX-Series Distribution Cable series with corrugated steel tape (CST) armoring. Ideal for installation where direct burial or rodent

SST™ Central Tube Steel Armour Outdoor Cable | Corning

Corning central tube cables with corrugated steel armoring are designed for outdoor use for campus, city and intercity backbones in

Armored Fiber Optic Cable Types Explained | Indoor & Outdoor Guide

Learn different types of armored fiber optic cable, including steel wire, corrugated, and indoor armored cables.

Contact Us

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