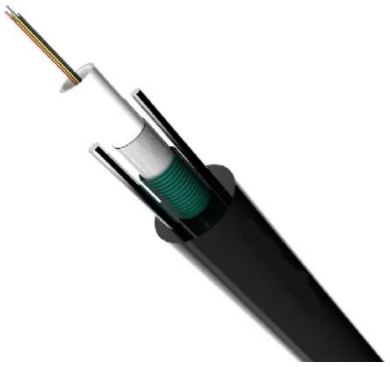
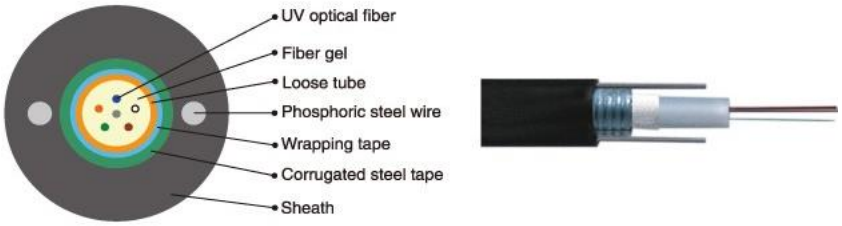
Introduction

Outdoor Armored Loose Tube Two Wire Steel Cable is commonly known as Outdoor Armored Loose tube Fiber Optic Cable. It is mostly Installed in riser ducts and cable trunks. It can also be made into a 2 to 12 cores structure with a cross-section Loose tube made of color coating fibers and filled with waterproof compounds. After a layer of corrugated Steel longitudinal wrapped outside the Loose tube, then an outer jacket extruded with two parallel metal Strength members embedded in the Jacket. A layer of outer Jacket Material is polyethylene (PE), flame-retardant polyethylene (ZRPE) or other materials. Due to its small diameter and flexibility, the universal fiber optic cable is ideal for installation in cable trays. It can be installed in modern FTTH and FTTB systems, server rooms or connections between buildings. Other sheath materials are available on request.





Features

The Outdoor Armored Loose Tube Two Wire Steel Cable bundles for in building cabling systems are dedicated for indoor and outdoor network infrastructure. The small diameter is suitable to be used in projects requiring large number of slots and the fiber number between 4~24 core optical fiber cable which can be routed into ducts, and optical fiber cable with the following features:

- Flame retardant characteristics meet the requirements of relevant standards
- Excellent temperature performance
- High strength member
- Small bending radius
- Meet various requirements of market and clients
- Excellent environmental properties
- Perfect cable structure with high fiber density
- Singlemode or Multimode
- Fiber Type: G652D; 657A1; 50/125; 62.5/125; OM3; OM4 As Options

Application

Outdoor Armored Loose Tube Two Wire Steel Cable bundles assemblies consist of a between 2~12 core, that enables installation of in building wiring applications. The fiber assemblies are bundled with outer sheath is a color coating fiber and filled with waterproof compounds. A layer of outer Jacket extruded outside the loose tube with two parallel metal Strength members embedded in the Jacket layer that is of low friction. This fiber cable is applied in Duct, cable trays and FTTx Access installations. Used in access network indoor and outdoor in customer premises network. Used as access building cable in premises distribution system, especially used in indoor and outdoor access cabling, the design makes the fiber cable are suitable for the following applications:

- Used as access building cable
- Vertical Backbone Networks
- Indoor and outdoor cabling
- Distribution system cable

Mechanical Performance Test compliance

- Tension: IEC 60794-1-21 Method E1
- Bend: IEC 60794-1-21 Method E11
- Crush: IEC 60794-1-21 Method E3

Temperature Performance

- Storage [°C]: -40 to +70
- Installation [°C]: -20 to +60
- Operation [°C]: -40 to +70

Technical Specifications

Items	Unit	Specifications
Cable Dimension	mm	9 to 11
Tension （Long Term ）	N	1200
Tension （Short Term ）	N	3500
Crush （Long Term ）	N/10cm	1000
Crush （Short Term ）	N/10cm	3000
Min. Bend Radius （Dynamic ）	mm	20D
Min. Bend Radius （Static ）	mm	10D
Installation Temperature	℃	-20～+60
Operating Temperature	℃	-40～+70
Storage Temperature	℃	-40～+70

Packaging

Standard length of cable is 4,000 meters. Other cable length is also available if required by customer.
Each length of the cable shall be wound on a separate wooden reel.
Both ends of the cable shall be sealed with a suitable plastic cap to prevent the entry of moisture during shipping, handling and storage.
The cable ends shall be securely fastened to the reel to prevent the cable form becoming loose in transit or during placing operations.

Marking

The jacket shall be marked with white characters at intervals of one meter with following information.
Other marking is also available if requested by customer.
1) Cable type and fiber number
2) Name of the manufacturer
3) Year of manufacture
4) Length marking

Ordering Information

Product Code	Description
LN-LW-xxF-2WCST-SM	Outdoor Armored Two Wire Steel Fiber Cable Single Mode

*** Note:**
xx= For the number of fibers
** All cables are available in Singlemode or Multimode

Notice: The data in this document are only reference and will be changed without any notice.
This specification is intended as a guide only.