

# Central Tube Armored Double Sheathed Optical Cables

## General Information

- Applied to outdoor and directly buried installation
- Designed for outdoor and direct buried type application and also to protect optical fiber for the unexpected mechanical and environmental conditions.
- Qualification and acceptance testing are performed to assure the optical cable's performance and durability in several environments.

## Features and Benefits

- Fiber counts up to 12
- Light weight
- High tensile strength design
- Dry core design
- Small diameter
- Colored fiber for the quick identification
- UV resistance for the outer sheath
- Fully complies with international standards, TIA/EIA
- Customer designs are available on request

## Applications

- Building interconnection
- Campus and Local Area Network

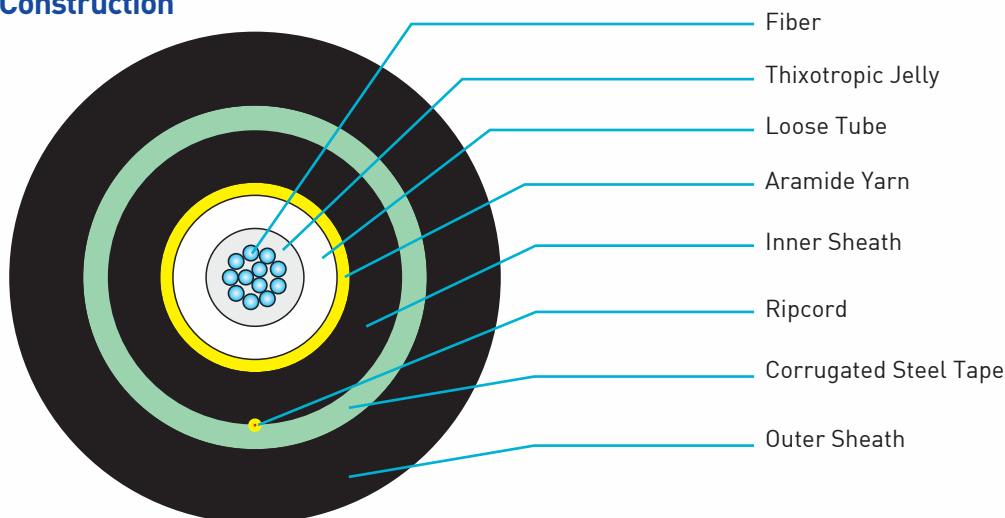
## Cable Weight & Diameter

Item	Number of Tube	Nom Outer Diameter mm	Nom Cable Weight Kg/km	Reel Length Km*
Central Tube Armored Double Sheathed Optical Cables	2	10,5	110	2
	4	10,5	110	2
	6	10,5	110	2
	8	10,5	110	2
	10	10,5	110	2
	12	10,5	110	2

(\*) Other delivery length is available



## Cable Construction



## Identification of Optical Fiber and Loose Tube

No	1	2	3	4	5	6	7	8	9	10	11	12
Fiber	Blue	Orange	Green	Red	Yellow	Violet	Brown	Black	White	Grey	Turquoise	Pink

Color of Louse tube is natural

## Mechanical & Environmental Characteristics

### Parameters

Tensile Strength IEC 60794-1-2-E1	Max Opr.	1.000 N 600 N
Bending Radius(mm) IEC 60794-1-2-E11	Dynamic Static	20xD 10xD
Crush Resistance IEC 60794-1-2-E3	----- -----	1.000 N ----
Impact Resistance IEC-60794-1-2-E4	----- -----	50 N ----
Operation Temperature IEC 60794-1-2-F1	Installing Operating	-30 +60 (°C) -40 +80 (°C)
Water Penetration IEC 60794-1-2 F5	24 hour, 1 meter	No leakage

### Type Code of Optical Cable

A-DQ (BN) 2Y (SR) 2Y mxn .....N CT  
Refer to the type code of the optical cables for the description of the cable code.

### Length Marking On The Cable

The outer sheath will be marked in one meter intervals as follows;  
TURKUAZ CABLE < Year of manufacturing >  
< number and type of fiber >  
< length marking in meter >

### Color of Sheath and Material

Inner/ Outer sheath materials are MDPE-HDPE-LDPE and outer sheath color is black. Other color can be applied in customer request

### Packing

Shipment will be done with non-returnable wooden drums with protection.

### TURKUAZ Cable Design Information

Fiber Type SM 9/125 (G.652 d), SM 9/125(G.655), MM 62,5/125 – MM 50/125  
Central tube design (Single Loose Tube, SLT)  
UV resistance Outer Sheath  
LSZH or HFFR Sheathing is also possible for indoor applications  
Peripheral Strength Member is Glass yarn or Aramid yarn is also possible per customer requests.