

Tight Tube Non-Metallic Optical Cables

General Information

Indoor/Outdoor type tight coated type optical cables are applied to indoor/outdoor installation. These types of cables are designed for indoor/outdoor application and also to protect optical fiber for the unexpected mechanical, environmental and rodent protection 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
- Completely 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

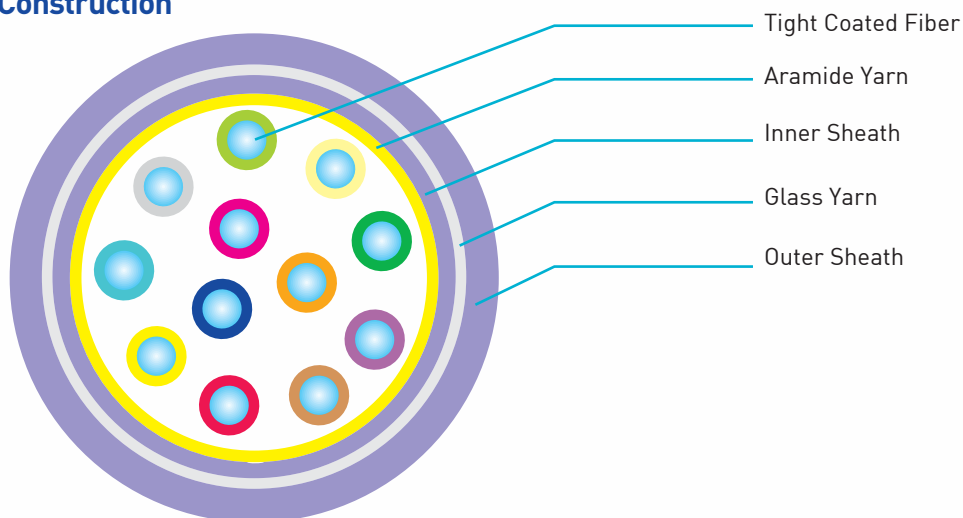
Cable Weight & Diameter

Item	Number of Fiber	Nom Outer Diameter mm	Nom Cable Weight Kg/km	Reel Length Km*
Tight Coated Optical Cables	2	9,5	110	4
	4	9,5	110	4
	6	10,5	120	4
	8	11,0	135	4
	10	12,0	140	4
	12	12,5	150	4

(*) 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

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	----- -----	500 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

J-VQ (BN) H (SR) 2Y mxnN
Refer to the type code of the optical cables for the description of the cable code.

Optical Characteristics

Refer to the fiber data sheet

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 HFFR-MDPE-HDPE 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- MM 50/125 OM3
Tight coated design UV resistance Outer Sheath LSZH or HFFR for inner sheath LSZH or HFFR Sheathing also possible in indoor applications Peripheral Strength Member is Glass yarn or Aramide yarn also possible in customer requests.