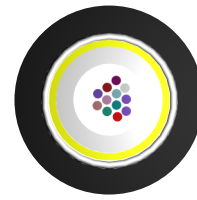
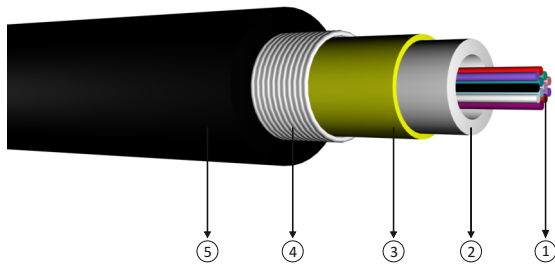


INDOOR CABLES | Single Loose Tube, Single Sheath, Steel Tape Armoured



- ① Fiber
- ② Loose Tube
- ③ Aramid/Glass Yarn
- ④ Corrugated Steel Tape
- ⑤ Outer Sheath

Loose Tube Colors

Natural

Fiber Colors

Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Turquoise and Black ringed colors.

Inner Sheath : N/A

Armour : Corrugated Steel Tape

Outer Sheath : Black HFFR, Thickness nominal 1.5 ± 0.1 mm.

Applications

Used in cable channels or cable trays in communication networks within the building.

Construction

Painted fibers are placed in the central Loose tube. Then curly steel belt is used as a shield with aramid / glass yarns. They are covered with HFFR material. It has a water blocking feature.

TECHNICAL PROPERTIES			
Number Of Fiber	Loose Tube Outer/Inner Diameter (mm)*	Cable Diameter *	Cable Weight (Kg/km) *
4	3,0/2,0	9,0	117
6	3,0/2,0	9,0	117
8	3,0/2,0	9,0	117
12	3,0/2,0	9,0	117
16	3,0/2,0	9,0	117
24	3,0/2,0	9,0	117

MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Conditions	Standard
Tensile Strength	1100 N Tensile Strength (Installation) 900 N Tensile Strength (Operation)	IEC 60794-1-21-E1
Impact Resistance	10J, 3 impacts	IEC 60794-1-21-E4
Crush Resistance	2000 N / 10cm	IEC 60794-1-21-E3
Bend Radius (During Installation)	30x Cable Diameter	IEC 60794-1-21-E11
Bend Radius (During Service)	15x Cable Diameter	IEC 60794-1-21-E11
Operation Storage and Transportation	-40 to +70 ° C	IEC 60794-1-22-F1
Installation Temperature	-5 to +60 ° C	N/A
Water Penetration Test	24 hours 3m length	IEC 60794-1-22 F5
Fire Test**	IEC 60332-1-2 IEC 60754-2 IEC 61034-2	IEC 60332-1-2 IEC 60754-2 IEC 61034-2

* : Tolerance $\pm 10\%$.

** : These test case apply to HFFR sheathed cables.