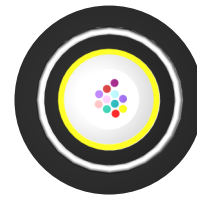
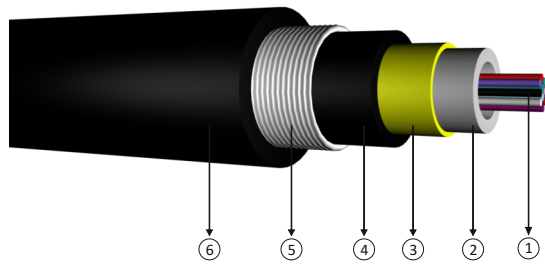


OUTDOOR CABLES|Single Loose Tube, Double Sheath, Steel Tape Armoured



- ① Fiber
- ② Loose Tube
- ③ Aramid/Glass Yarn
- ④ Inner Sheath
- ⑤ Corrugated Steel Tape
- ⑥ 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 : Black LDPE, Thickness nominal $1,0 \pm 0,1$ mm.

Armour : Corrugated Steel Tape

Outer Sheath : Black MDPE, Thickness nominal $1,5 \pm 0,1$ mm.

Applications

They are used in a pipe made of HDPE etc. materials in long range and local communication networks or directly burying in the ground.

Construction

Colored fibers are placed in the central Loose tube. Then they are covered with intercardinal cover using aramid / glass yarns. Curly steel belt is used as a shield. They are covered with MDPE 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	11,2	125
6	3,0/2,0	11,2	125
8	3,0/2,0	11,2	125
12	3,0/2,0	11,2	125
16	3,0/2,0	11,2	125
24	3,0/2,0	11,2	125

MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Conditions	Standard
Tensile Strength	1200 N Tensile Strength (Installation) 1000 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	-30 to +60 ° C	N/A
Water Penetration Test	24 hours 3m length	IEC 60794-1-22 F5
Fire Test**	N/A	N/A

* : Tolerance $\pm 10\%$.

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