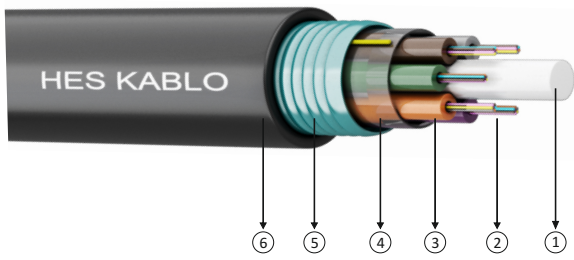


OUTDOOR CABLES | Multi Loose Tube, Single Sheath, Steel Tape Armoured



- 1 Central Strength Member
- 2 Fiber
- 3 Loose Tube
- 4 Polyester Tape
- 5 Corrugated Steel Tape
- 6 Outer Sheath

Loose Tube Colors

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

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 MDPE, Thickness nominal 1,5 ± 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

Loose tubes are bent around FRP material with SZ twist method (or filler of any). Then adequate aramid / glass yarns are used as a shield. They are covered with MDPE material. It has a water blocking feature.

TECHNICAL PROPERTIES								
Number Of Fiber	Loose Tube Count	Number Of Fiber	Number of Fiber in Per Tube	Central Strength Member OD	Central Strength Member Coated OD	Loose Tube Outer/Inner Diameter	Cable Diameter *	Cable Weight (Kg/km) *
8	2	4	4	2,2	N/A	2,0/1,4	11,7	130
12	3	3	4	2,2	N/A	2,0/1,4	11,7	131
16	4	2	4	2,2	N/A	2,0/1,4	11,7	132
24	6	-	4	2,2	N/A	2,0/1,4	11,7	133
36	6	-	6	2,5	N/A	2,4/1,7	12,8	161
48	6	-	8	2,5	N/A	2,4/1,7	12,8	162
72	6	-	12	2,7	N/A	2,6/1,8	13,4	178
96	8	-	12	2,7	N/A	2,6/1,8	15,2	221
144	12	-	12	2,7	8,0	2,6/1,8	18,7	322
288	24	-	12	2,7	5,4	2,6/1,8	21,3	425
432	18	-	24	3,0	N/A	2,8/1,8	19,7	346

MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Conditions	Standard
Tensile Strength	2000 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	3000 N / 10cm	IEC 60794-1-21-E3
Bend Radius (During Installation)	20x Cable Diameter	IEC 60794-1-21-E11
Bend Radius (During Service)	10x 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 ±10%.

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