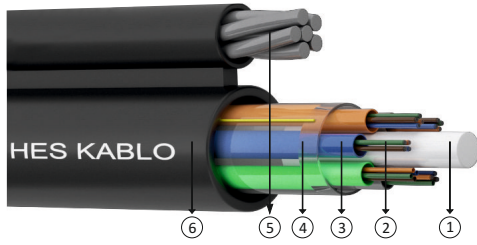


# OUTDOOR AERIAL CABLES | Multi Loose Tube, Steel Wire Rope, Unarmoured



- 1 Central Strength Member
- 3 Loose Tube
- 5 Messenger Wire
- 2 Fiber
- 4 Polyester 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** : N/A

**Outer Sheath** : Black MDPE, Thickness nominal 1,5 ± 0,1 mm.

### Applications

They are used by hanging from sings between the poles in aerial lines within long range and local communication networks.

### Construction

Loose tubes are bent around FRP material with SZ twist method (or filler of any). They are covered with MDPE material using aramid / glass yarns and sling.

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	2,5	N/A	2,4/1,7	11,2/19,5	167
12	3	3	4	2,5	N/A	2,4/1,7	11,2/19,5	167
16	4	2	4	2,5	N/A	2,4/1,7	11,2/19,5	168
24	6	-	4	2,5	N/A	2,4/1,7	11,2/19,5	170
36	6	-	6	2,5	N/A	2,4/1,7	11,2/19,5	170
48	6	-	8	2,5	N/A	2,4/1,7	11,2/19,5	171
72	6	-	12	2,7	N/A	2,6/1,8	11,8/20,1	184
96	8	-	12	2,7	4,5	2,6/1,8	13,6/21,9	220

MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Conditions	Standard
Tensile Strength	5000 N Tensile Strength (Installation) 2500 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	N/A	IEC 60794-1-22 F5
Fire Test**	N/A	N/A

\* : Tolerance ±10%.

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