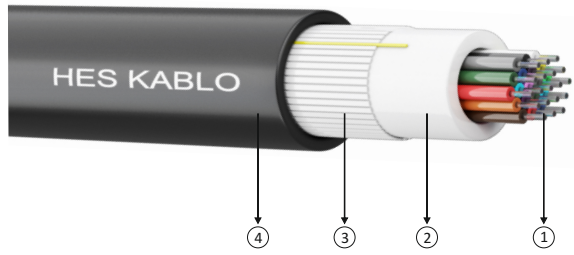




## OUTDOOR CABLES | Single Loose Tube, Single Covered, Unarmoured



- ① Fiber
- ② Loose Tube
- ③ Aramid/Glass Yarn
- ④ 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** : N/A

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

### Applications

They are used in a pipe which is made of HDPE etc. material in long range and local communication networks.

### Construction

Painted fibers are placed in the central Loose tube. Then they are covered with MDPE material using adequate aramid / glass yarns. 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	7,2	45
6	3,0/2,0	7,2	45
8	3,0/2,0	7,2	45
12	3,0/2,0	7,2	45
16	3,0/2,0	7,2	45
24	3,0/2,0	7,2	45

### MECHANICAL AND ENVIRONMENTAL PROPERTIES

Physical Tests	Conditions	Standard
Tensile Strength	1000 N Tensile Strength (Installation) 800 N Tensile Strength (Operation)	IEC 60794-1-21-E1
Impact Resistance	5J, 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.