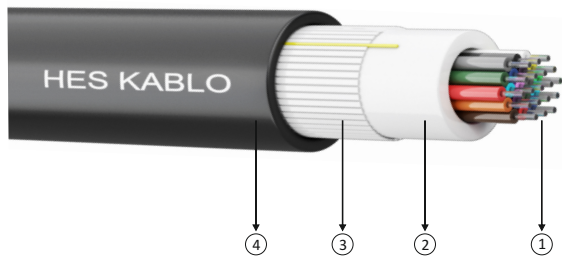


OUTDOOR CABLES | Single Loose Tube, Single Sheath, Non-metallic Armoured



- 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 : Dielectric Armour

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

Colored fibers are placed in the central Loose tube. 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 Outer/Inner Diameter (mm)*	Cable Diameter *	Cable Weight (Kg/km) *
4	3,0/2,0	9,0	65
6	3,0/2,0	9,0	65
8	3,0/2,0	9,0	65
12	3,0/2,0	9,0	65
16	3,0/2,0	9,0	65
24	3,0/2,0	9,0	65

MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Conditions	Standard
Tensile Strength	1900 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.