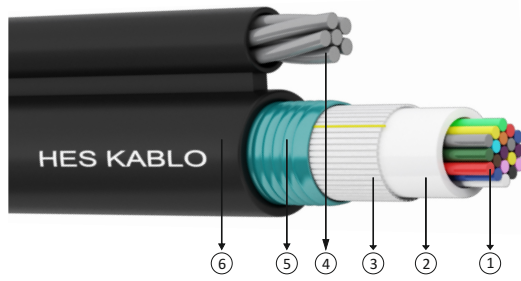




OUTDOOR AERIAL CABLES | Single Loose Tube, Steel Wire Rope, Steel Tape Armoured



- 1 Fiber
- 3 Aramid/Glass Yarn
- 5 Corrugated Steel Tape
- 2 Loose Tube
- 4 Messenger Wire
- 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 : N/A

Armour : Corrugated Steel Tape.

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

Applications

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

Construction

Colored fibers are placed in the central Loose tube. Then curly steel belt is used as a shield with aramid / glass yarns. They are covered with HFFR material using sling.

TECHNICAL PROPERTIES

| Number Of Fiber | Loose Tube Outer/Inner Diameter (mm)* | Cable Diameter * | Cable Weight (Kg/km) * |
|-----------------|---------------------------------------|------------------|------------------------|
| 4 | 3,0/2,0 | 17,0/8,7 | 150 |
| 6 | 3,0/2,0 | 17,0/8,7 | 150 |
| 8 | 3,0/2,0 | 17,0/8,7 | 150 |
| 12 | 3,0/2,0 | 17,0/8,7 | 150 |
| 16 | 3,0/2,0 | 17,0/8,7 | 150 |
| 24 | 3,0/2,0 | 17,0/8,7 | 150 |

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 | 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 | N/A | IEC 60794-1-22 F5 |
| Fire Test** | N/A | N/A |

* : Tolerance $\pm 10\%$.

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