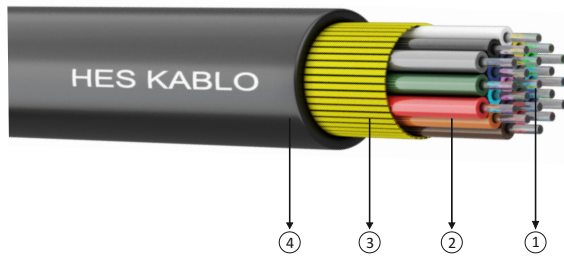


INDOOR CABLES | MTD, Unarmoured Cables



- 1 Fiber
- 2 Tight Coating
- 3 Aramid Yarn
- 4 Outer Sheath

Tight Coated Colors

Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Turquoise

Fiber Colors

Natural

Inner Sheath : N/A

Armour : N/A

Outer Sheath : Black HFFR, Thickness nominal $0,9 \pm 0,1$ mm.

Applications

They are used in cable channels or cable trays in fiber applications (Fiber-to-the-home) in short range communication networks within interconnection applications in campus spine structure to hometop.

Construction

Aramid / glass yarns are strengthened by tightly covering fibers and combining them. They are covered with HFFR material.

TECHNICAL PROPERTIES

| Number Of Fiber | Tight Coated Diameter (μm) * | Cable Diameter * | Cable Weight (Kg/km) * |
|-----------------|---|------------------|------------------------|
| 2 | 900 | 5,0 | 24 |
| 4 | 900 | 5,2 | 28 |
| 6 | 900 | 6,8 | 37 |
| 8 | 900 | 7,3 | 42 |
| 12 | 900 | 7.5 | 47 |

MECHANICAL AND ENVIRONMENTAL PROPERTIES

| Physical Tests | Conditions | Standard |
|--------------------------------------|---|---|
| Tensile Strength | 750 N Tensile Strength (Installation) 400 N Tensile Strength (Operation) | IEC 60794-1-21-E1 |
| Impact Resistance | 10J, 3 impacts | IEC 60794-1-21-E4 |
| Crush Resistance | 1000 N / 10cm | IEC 60794-1-21-E3 |
| Bend Radius (During Installation) | 20 x Cable Diameter | IEC 60794-1-21-E11 |
| Bend Radius (During Service) | 10 x Cable Diameter | IEC 60794-1-21-E11 |
| Operation Storage and Transportation | -20 to +60 ° C | IEC 60794-1-22-F1 |
| Installation Temperature | 0 to +50 ° C | N/A |
| Water Penetration Test | N/A | IEC 60794-1-22 F5 |
| Fire Test** | IEC 60332-1-2 IEC 60754-2 IEC 61034-2 | IEC 60332-1-2 IEC 60754-2 IEC 61034-2 |

* : Tolerance $\pm 10\%$.

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