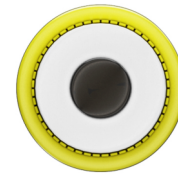
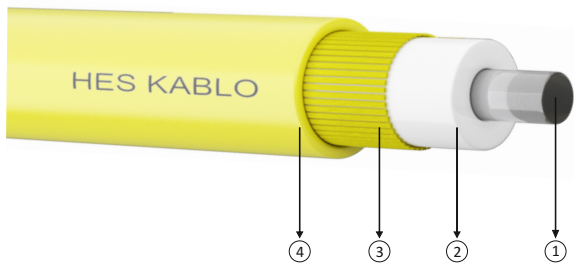


## INDOOR CABLES | SIMPLEX Cables



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

### Tight Coated Colors

Natural

### Fiber Colors

Natural

**Inner Sheath** : N/A

**Armour** : N/A

**Outer Sheath** : According to the fiber type; White, Yellow, Orange or Turquoise HFFR, Thickness nominal  $0,3 \pm 0,1$  mm.

### Applications

They are used in internal communication networks in short range conditions, in applications where panel etc. units are connected to each other or where a connection is established to fiber spine, in applications where direct termination is required and in fiber-to-the-home applications, in all general-purpose internal LAN applications

### Construction

Then they are covered with HFFR material using adequate aramid / glass yarns after tightly covered with fiber.

### TECHNICAL PROPERTIES

Number Of Fiber	Tight Coated Diameter ( $\mu\text{m}$ ) *	Cable Diameter (mm) *	Cable Weight (Kg/km) *
1	900	2,0	4,5
1	900	2,4	4,6
1	900	2,6	4,7

### MECHANICAL AND ENVIRONMENTAL PROPERTIES

Physical Tests	Conditions	Standard
Tensile Strength	200 N Tensile Strength (Installation) 100 N Tensile Strength (Operation)	IEC 60794-1-21-E1
Impact Resistance	5J, 3 impacts	IEC 60794-1-21-E4
Crush Resistance	200 N / 10cm	IEC 60794-1-21-E3
Bend Radius (During Installation)	25x Cable Diameter	IEC 60794-1-21-E11
Bend Radius (During Service)	15x Cable Diameter	IEC 60794-1-21-E11
Operation Storage and Transportation	-20 to +70 ° 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 60332-3-25 IEC 60754-2 IEC 61034-2	IEC 60332-1-2 IEC 60332-3-25 IEC 60754-2 IEC 61034-2

\* : Tolerance  $\pm 10\%$ .

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