



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

Tight Coated Colors

According to the fiber type; White, Yellow, Orange or Turquoise.

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 (μm) *	Cable Diameter (mm) *	Cable Weight (Kg/km) *
2	900	2,0/4,2	9,4
2	900	2,4/5,0	9,8
2	900	2,6/5,4	10,2

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.