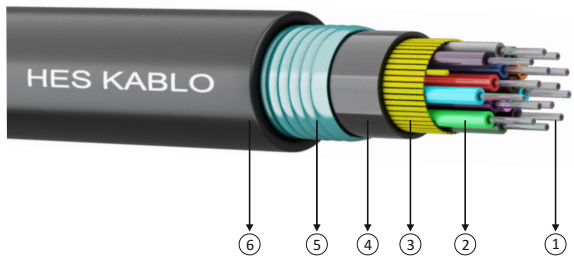


OUTDOOR CABLES | MTD, Steel Tape Armoured Cables



- 1 Fiber
- 3 Aramid Yarn
- 5 Corrugated Steel Tape
- 2 Tight Coating
- 4 Inner Sheath
- 6 Outer Sheath

Tight Coated Colors

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

Fiber Colors

Natural

Inner Sheath : Black HFFR, Thickness nominal $0,8 \pm 0,1$ mm.

Armour : Corrugated Steel Tape.

Outer Sheath : Black MDPE, Thickness nominal $1,4 \pm 0,1$ mm.

Applications

They are used in internal communication networks in short range conditions, in internal and external communication networks, in external applications in campus spine structure, in a pipe made of HDPE etc. material or directly by burying in the ground.

Construction

Aramid / glass yarns are strengthened by tightly covering fibers and combining them. They are covered with HFFR material. They are covered with MDPE material by implementing curly steel belt shield. It has a water blocking feature.

TECHNICAL PROPERTIES			
Number Of Fiber	Tight Coated Diameter (μm) *	Cable Diameter *	Cable Weight (Kg/km) *
2	900	9,6	103
4	900	9,8	108
6	900	11,4	133
8	900	11,9	144
12	900	12,1	150

MECHANICAL AND ENVIRONMENTAL PROPERTIES		
Physical Tests	Conditions	Standard
Tensile Strength	1000 N Tensile Strength (Installation) 600 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)	20x Cable Diameter	IEC 60794-1-21-E11
Bend Radius (During Service)	10x Cable Diameter	IEC 60794-1-21-E11
Operation Storage and Transportation	-20 to +70 ° C	IEC 60794-1-22-F1
Installation Temperature	0 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.