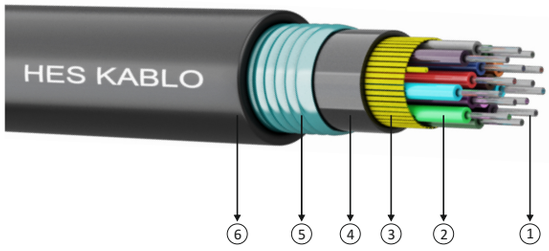
INDOOR CABLES|MTD, Steel Tape Armoured Cables



1 Fiber
2 Tight Coating
3 Aramid Yarn
4 Intermediate Sheath
5 Corrugated Steel Tape
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 ± 0,1 mm.
Armour : Corrugated Steel Tape.
Outer Sheath : Black HFFR, Thickness nominal 1,4 ± 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. They are covered with HFFR material by implementing corrugated steel tape. It has a water blocking feature.

TECHNICAL PROPERTIES			
Number Of Fiber	**Tight Coated Diameter (µm) ***	**Cable Diameter (mm) ***	**Cable Weight (Kg/km) ***
2	900	9,6	126
4	900	9,8	130
6	900	11,4	160
8	900	11,9	172
12	900	12,1	179

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 +60 ° C	IEC 60794-1-22-F1
Installation Temperature	0 to +50 ° C	N/A
Water Penetration Test	24 hours 3m length	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 ±10%.
** : These test case apply to HFFR sheated cables.