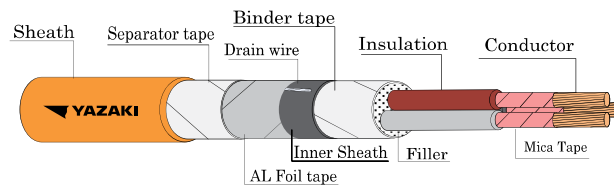


FS/FDLH-0.6/1KV-CCE-SLA

0.6/1 KV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED FIRE RESISTANT FLAME RETARDANT WITH LOW SMOKE AND ZERO HALOGEN SHIELDED CONTROL CABLE



CABLE STRUCTURE

Conductor : Stranded annealed copper
Fire barrier tape : Mica tape
Insulation : Cross-Linked polyethylene (XLPE)
Core identification
 2 cores : Blue, Brown
 3 cores : Brown, Black, Grey
 4 cores : Blue, Brown, Black, Grey
 More than 4 cores : White with marking numbers, colored black, printed continuously throughout the whole length of insulated wires for the propose of core identification
Inner Sheath : Black Low smoke and zero halogen flame retardant polyolefin (ST8)
Shield : Laminated aluminium bonded with polyester tape and drain wire
Outer Sheath : Orange Low smoke and zero halogen flame retardant polyolefin (ST8)

TECHNICAL DATA

Classification : Maximum conductor temperature 90°C
 : Circuit voltage not exceeding 1,200 volts
Rated voltage : 600 Volts between Line to Earth
Rated voltage : 1,000 Volts between Line to Line
Testing voltage : 3,500 Volts
Reference Standard
Construction : IEC 60502-1
Circuit integrity : BS 6387 Category C,W,Z
Flame retardant : IEC 60332-1-2
 IEC 60332-3-22 Category A
 IEC 60332-3-23 Category B
 IEC 60332-3-24 Category C
Acid gas emission : IEC 60754-1, IEC 60754-2
Smoke emission : IEC 61034-2
Non-toxic gases : Defence standard 02-713

APPLICATION

For installation into conduit and surface wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

Number of core	Nominal cross sectional area	Conductor type	Insulation thickness nominal (mm)	Inner Sheath thickness nominal (mm)	Dia. of Inner Sheath approx. (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C maximum (Ω/km)	Insulation resistance at 20°C minimum (MΩ-km)	Cable weight approx. (kg/km)	Standard Length (m)
	(mm ²)										
2	1.5	Stranded	0.7	1.2	10.5	1.8	15.0	12.1	2,500	150	300/D
	2.5	Stranded	0.7	1.2	11.5	1.8	16.0	7.41	2,100	180	300/D
3	1.5	Stranded	0.7	1.2	11.0	1.8	16.0	12.1	2,500	180	300/D
	2.5	Stranded	0.7	1.2	12.0	1.8	16.5	7.41	2,100	230	300/D
4	1.5	Stranded	0.7	1.2	12.0	1.8	17.0	12.1	2,500	220	300/D
	2.5	Stranded	0.7	1.2	13.0	1.8	17.5	7.41	2,100	280	300/D
5	1.5	Stranded	0.7	1.2	13.5	1.8	18.0	12.1	2,500	260	300/D
	2.5	Stranded	0.7	1.2	14.5	1.8	19.0	7.41	2,100	330	300/D
6	1.5	Stranded	0.7	1.2	15.0	1.8	19.0	12.1	2,500	300	300/D
	2.5	Stranded	0.7	1.2	16.0	1.8	20.0	7.41	2,100	390	300/D
7	1.5	Stranded	0.7	1.2	15.0	1.8	19.0	12.1	2,500	320	300/D
	2.5	Stranded	0.7	1.2	16.0	1.8	20.0	7.41	2,100	420	300/D
8	1.5	Stranded	0.7	1.2	16.0	1.8	20.0	12.1	2,500	380	300/D
	2.5	Stranded	0.7	1.2	17.0	1.8	21.0	7.41	2,100	480	300/D
9	1.5	Stranded	0.7	1.2	17.0	1.8	22.0	12.1	2,500	420	300/D
	2.5	Stranded	0.7	1.2	19.0	1.8	23.0	7.41	2,100	530	300/D
10	1.5	Stranded	0.7	1.2	18.5	1.8	23.0	12.1	2,500	480	300/D
	2.5	Stranded	0.7	1.2	20.0	1.8	24.5	7.41	2,100	600	300/D

D : Packing in drum

FS/FDLH-0.6/1KV-CCE-SLA

0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED FIRE RESISTANT FLAME RETARDANT WITH LOW SMOKE AND ZERO HALOGEN SHIELDED CONTROL CABLE

Number of core	Nominal cross sectional area (mm ²)	Conductor type	Insulation thickness nominal (mm)	Inner Sheath thickness nominal (mm)	Dia. of Inner Sheath approx. (mm)	Sheath thickness nominal (mm)	Overall diameter approx. (mm)	Conductor resistance at 20°C	Insulation resistance at 20°C	Cable weight approx. (kg/km)	Standard Length (m)
								maximum (Ω/km)	minimum (MΩ-km)		
11	1.5	Stranded	0.7	1.2	18.5	1.8	23.0	12.1	2,500	490	300/D
	2.5	Stranded	0.7	1.2	20.0	1.8	24.5	7.41	2,100	630	300/D
12	1.5	Stranded	0.7	1.2	19.0	1.8	24.0	12.1	2,500	530	300/D
	2.5	Stranded	0.7	1.2	21.0	1.8	25.0	7.41	2,100	690	300/D
13	1.5	Stranded	0.7	1.2	20.0	1.8	25.0	12.1	2,500	570	300/D
	2.5	Stranded	0.7	1.2	22.0	1.8	26.0	7.41	2,100	740	300/D
14	1.5	Stranded	0.7	1.2	20.0	1.8	25.0	12.1	2,500	580	300/D
	2.5	Stranded	0.7	1.2	22.0	1.8	26.0	7.41	2,100	750	300/D
15	1.5	Stranded	0.7	1.2	21.0	1.8	25.0	12.1	2,500	620	300/D
	2.5	Stranded	0.7	1.2	23.0	1.8	27.0	7.41	2,100	810	300/D
16	1.5	Stranded	0.7	1.2	21.0	1.8	26.0	12.1	2,500	650	300/D
	2.5	Stranded	0.7	1.2	23.0	1.8	28.0	7.41	2,100	840	300/D
17	1.5	Stranded	0.7	1.2	23.0	1.8	27.0	12.1	2,500	720	300/D
	2.5	Stranded	0.7	1.2	24.5	1.9	29.0	7.41	2,100	920	300/D
18	1.5	Stranded	0.7	1.2	23.0	1.8	27.0	12.1	2,500	720	300/D
	2.5	Stranded	0.7	1.2	24.5	1.9	29.0	7.41	2,100	930	300/D
19	1.5	Stranded	0.7	1.2	23.0	1.8	27.0	12.1	2,500	740	300/D
	2.5	Stranded	0.7	1.2	24.5	1.9	29.0	7.41	2,100	960	300/D
20	1.5	Stranded	0.7	1.2	23.0	1.8	27.5	12.1	2,500	780	300/D
	2.5	Stranded	0.7	1.2	25.0	1.9	30.0	7.41	2,100	1,000	300/D
21	1.5	Stranded	0.7	1.2	24.0	1.8	28.0	12.1	2,500	820	300/D
	2.5	Stranded	0.7	1.2	26.0	1.9	30.5	7.41	2,100	1,050	300/D
22	1.5	Stranded	0.7	1.2	25.0	1.9	30.0	12.1	2,500	860	300/D
	2.5	Stranded	0.7	1.2	27.0	2.0	32.0	7.41	2,100	1,100	300/D
23	1.5	Stranded	0.7	1.2	25.0	1.9	30.0	12.1	2,500	890	300/D
	2.5	Stranded	0.7	1.2	27.0	2.0	32.0	7.41	2,100	1,200	300/D
24	1.5	Stranded	0.7	1.2	26.0	1.9	31.0	12.1	2,500	930	300/D
	2.5	Stranded	0.7	1.2	29.0	2.0	34.0	7.41	2,100	1,200	300/D
25	1.5	Stranded	0.7	1.2	26.0	1.9	31.0	12.1	2,500	960	300/D
	2.5	Stranded	0.7	1.2	29.0	2.0	34.0	7.41	2,100	1,200	300/D
26	1.5	Stranded	0.7	1.2	26.0	1.9	31.0	12.1	2,500	1,000	300/D
	2.5	Stranded	0.7	1.2	29.0	2.0	34.0	7.41	2,100	1,300	300/D
27	1.5	Stranded	0.7	1.2	27.0	2.0	32.0	12.1	2,500	1,000	300/D
	2.5	Stranded	0.7	1.2	29.5	2.0	34.0	7.41	2,100	1,350	300/D
28	1.5	Stranded	0.7	1.2	28.0	2.0	33.0	12.1	2,500	1,100	300/D
	2.5	Stranded	0.7	1.2	31.0	2.1	36.0	7.41	2,100	1,400	300/D
29	1.5	Stranded	0.7	1.2	28.0	2.0	33.0	12.1	2,500	1,100	300/D
	2.5	Stranded	0.7	1.2	31.0	2.1	36.0	7.41	2,100	1,400	300/D
30	1.5	Stranded	0.7	1.2	28.0	2.0	33.0	12.1	2,500	1,100	300/D
	2.5	Stranded	0.7	1.2	31.0	2.1	36.0	7.41	2,100	1,500	300/D

D : Packing in drum

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0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED FIRE RESISTANT FLAME RETARDANT WITH LOW SMOKE AND ZERO HALOGEN SHIELDED CONTROL CABLE

ARRANGEMENT OF CORES

 2 CORES	 3 CORES	 4 CORES	 5 CORES	 6 CORES
 7 CORES	 8 CORES	 9 CORES	 10 CORES	 11 CORES
 12 CORES	 13 CORES	 14 CORES	 15 CORES	 16 CORES
 17 CORES	 18 CORES	 19 CORES	 20 CORES	 21 CORES
 22 CORES	 23 CORES	 24 CORES	 25 CORES	 26 CORES
 27 CORES	 28 CORES	 29 CORES	 30 CORES	

NOTE : Fillers are necessary to fill the cable a substantially circular cross section.
(If the stranded cores be circle enough, fillers shall not be necessary)