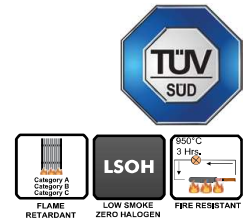
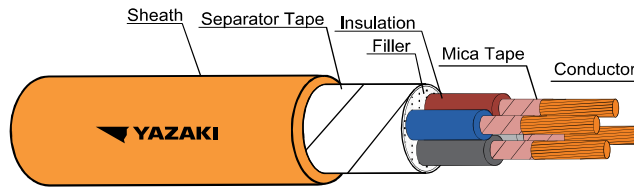


## FS/FDLH-0.6/1KV-CCE

**0.6/1 kV 90°C MICA TAPE CROSS-LINKED POLYETHYLENE INSULATED POLYOLEFIN SHEATHED FIRE RESISTANT FLAME RETARDANT WITH LOW SMOKE AND ZERO HALOGEN 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  
**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 tray, conduit, underground duct trench or direct burial in ground which provide flame retardant, low smoked and non toxic emission under fire.

Number of core	Nominal cross sectional area (mm <sup>2</sup> )	Conductor type	Insulation thickness nominal (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)
2	1.5	Stranded	0.7	1.8	12.0	12.1	2,500	130	300/D
	2.5	Stranded	0.7	1.8	13.0	7.41	2,100	160	300/D
	4	Stranded	0.7	1.8	14.0	4.61	1,700	200	300/D
3	6	Stranded	0.7	1.8	15.0	3.08	1,450	260	300/D
	1.5	Stranded	0.7	1.8	13.0	12.1	2,500	150	300/D
	2.5	Stranded	0.7	1.8	13.5	7.41	2,100	190	300/D
4	4	Stranded	0.7	1.8	15.0	4.61	1,700	250	300/D
	6	Stranded	0.7	1.8	16.0	3.08	1,450	330	300/D
	1.5	Stranded	0.7	1.8	14.0	12.1	2,500	180	300/D
5	2.5	Stranded	0.7	1.8	14.5	7.41	2,100	240	300/D
	4	Stranded	0.7	1.8	16.0	4.61	1,700	310	300/D
	6	Stranded	0.7	1.8	17.0	3.08	1,450	410	300/D
6	1.5	Stranded	0.7	1.8	15.0	12.1	2,500	200	300/D
	2.5	Stranded	0.7	1.8	16.0	7.41	2,100	270	300/D
	4	Stranded	0.7	1.8	18.0	4.61	1,700	360	300/D
7	6	Stranded	0.7	1.8	19.0	3.08	1,450	480	300/D
	1.5	Stranded	0.7	1.8	16.0	12.1	2,500	240	300/D
	2.5	Stranded	0.7	1.8	17.0	7.41	2,100	310	300/D
8	4	Stranded	0.7	1.8	19.0	4.61	1,700	420	300/D
	6	Stranded	0.7	1.8	21.0	3.08	1,450	570	300/D
	1.5	Stranded	0.7	1.8	16.0	12.1	2,500	240	300/D
9	2.5	Stranded	0.7	1.8	17.0	7.41	2,100	310	300/D
	4	Stranded	0.7	1.8	19.0	4.61	1,700	420	300/D
	6	Stranded	0.7	1.8	21.0	3.08	1,450	570	300/D

D : Packing in drum

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

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

Number of core	Nominal cross sectional area	Conductor type	Insulation thickness nominal	Sheath thickness nominal	Overall diameter approx.	Conductor resistance at 20°C	Insulation resistance at 20°C	Cable weight approx.	Standard Length
	(mm <sup>2</sup> )					maximum	minimum		
8	1.5	Stranded	0.7	1.8	17.0	12.1	2,500	300	300/D
	2.5	Stranded	0.7	1.8	18.5	7.41	2,100	390	300/D
	4	Stranded	0.7	1.8	20.5	4.61	1,700	530	300/D
9	6	Stranded	0.7	1.8	22.0	3.08	1,450	720	300/D
	1.5	Stranded	0.7	1.8	18.0	12.1	2,500	320	300/D
	2.5	Stranded	0.7	1.8	20.0	7.41	2,100	440	300/D
10	4	Stranded	0.7	1.8	22.0	4.61	1,700	600	300/D
	6	Stranded	0.7	1.8	24.0	3.08	1,450	810	300/D
	1.5	Stranded	0.7	1.8	20.0	12.1	2,500	360	300/D
11	2.5	Stranded	0.7	1.8	21.0	7.41	2,100	490	300/D
	4	Stranded	0.7	1.8	24.0	4.61	1,700	670	300/D
	6	Stranded	0.7	1.8	26.0	3.08	1,450	920	300/D
12	1.5	Stranded	0.7	1.8	20.0	12.1	2,500	380	300/D
	2.5	Stranded	0.7	1.8	21.0	7.41	2,100	510	300/D
	4	Stranded	0.7	1.8	24.0	4.61	1,700	700	300/D
13	6	Stranded	0.7	1.8	26.0	3.08	1,450	970	300/D
	1.5	Stranded	0.7	1.8	21.0	12.1	2,500	410	300/D
	2.5	Stranded	0.7	1.8	22.0	7.41	2,100	560	300/D
14	4	Stranded	0.7	1.8	25.0	4.61	1,700	770	300/D
	6	Stranded	0.7	1.8	27.0	3.08	1,450	1,050	300/D
	1.5	Stranded	0.7	1.8	22.0	12.1	2,500	450	300/D
15	2.5	Stranded	0.7	1.8	23.0	7.41	2,100	590	300/D
	4	Stranded	0.7	1.8	26.0	4.61	1,700	820	300/D
	6	Stranded	0.7	1.8	28.0	3.08	1,450	1,130	300/D
16	1.5	Stranded	0.7	1.8	22.0	12.1	2,500	450	300/D
	2.5	Stranded	0.7	1.8	23.0	7.41	2,100	590	300/D
	4	Stranded	0.7	1.8	26.0	4.61	1,700	820	300/D
17	6	Stranded	0.7	1.8	28.0	3.08	1,450	1,130	300/D
	1.5	Stranded	0.7	1.8	22.0	12.1	2,500	480	300/D
	2.5	Stranded	0.7	1.8	24.0	7.41	2,100	660	300/D
18	4	Stranded	0.7	1.8	27.0	4.61	1,700	920	300/D
	6	Stranded	0.7	1.9	29.0	3.08	1,450	1,270	300/D
	1.5	Stranded	0.7	1.8	23.0	12.1	2,500	500	300/D
19	2.5	Stranded	0.7	1.8	24.5	7.41	2,100	700	300/D
	4	Stranded	0.7	1.8	27.0	4.61	1,700	970	300/D
	6	Stranded	0.7	1.9	30.0	3.08	1,450	1,330	300/D
20	1.5	Stranded	0.7	1.8	24.0	12.1	2,500	550	300/D
	2.5	Stranded	0.7	1.8	26.0	7.41	2,100	750	300/D
	4	Stranded	0.7	1.9	29.0	4.61	1,700	1,050	300/D
21	6	Stranded	0.7	2.0	32.0	3.08	1,450	1,440	300/D
	1.5	Stranded	0.7	1.8	24.0	12.1	2,500	580	300/D
	2.5	Stranded	0.7	1.8	26.0	7.41	2,100	790	300/D
22	4	Stranded	0.7	1.9	29.0	4.61	1,700	1,050	300/D
	6	Stranded	0.7	2.0	32.0	3.08	1,450	1,440	300/D
	1.5	Stranded	0.7	1.8	24.5	12.1	2,500	610	300/D
23	2.5	Stranded	0.7	1.8	26.5	7.41	2,100	830	300/D
	4	Stranded	0.7	1.9	30.0	4.61	1,700	1,170	300/D
	6	Stranded	0.7	2.0	33.0	3.08	1,450	1,630	300/D

D : Packing in drum

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

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

Number of core	Nominal cross sectional area	Conductor type	Insulation thickness nominal	Sheath thickness nominal	Overall diameter approx.	Conductor resistance at 20°C	Insulation resistance at 20°C	Cable weight approx.	Standard Length
	(mm <sup>2</sup> )					maximum	minimum		
21	1.5	Stranded	0.7	1.8	25.0	12.1	2,500	640	300/D
	2.5	Stranded	0.7	1.8	27.0	7.41	2,100	870	300/D
	4	Stranded	0.7	1.9	31.0	4.61	1,700	1,230	300/D
	6	Stranded	0.7	2.0	33.5	3.08	1,450	1,700	300/D
22	1.5	Stranded	0.7	1.8	26.0	12.1	2,500	680	300/D
	2.5	Stranded	0.7	1.9	29.0	7.41	2,100	930	300/D
	4	Stranded	0.7	2.0	32.5	4.61	1,700	1,300	300/D
	6	Stranded	0.7	2.1	35.0	3.08	1,450	1,820	300/D
23	1.5	Stranded	0.7	1.8	26.0	12.1	2,500	680	300/D
	2.5	Stranded	0.7	1.9	29.0	7.41	2,100	930	300/D
	4	Stranded	0.7	2.0	32.5	4.61	1,700	1,300	300/D
	6	Stranded	0.7	2.1	35.0	3.08	1,450	1,820	300/D
24	1.5	Stranded	0.7	1.8	28.0	12.1	2,500	730	300/D
	2.5	Stranded	0.7	1.9	30.0	7.41	2,100	1,000	300/D
	4	Stranded	0.7	2.0	34.0	4.61	1,700	1,400	300/D
	6	Stranded	0.7	2.1	37.0	3.08	1,450	1,970	300/D
25	1.5	Stranded	0.7	1.8	28.0	12.1	2,500	730	300/D
	2.5	Stranded	0.7	1.9	30.0	7.41	2,100	1,000	300/D
	4	Stranded	0.7	2.0	34.0	4.61	1,700	1,400	300/D
	6	Stranded	0.7	2.1	37.0	3.08	1,450	1,970	300/D
26	1.5	Stranded	0.7	1.8	28.0	12.1	2,500	730	300/D
	2.5	Stranded	0.7	1.9	30.0	7.41	2,100	1,000	300/D
	4	Stranded	0.7	2.0	34.0	4.61	1,700	1,400	300/D
	6	Stranded	0.7	2.1	37.0	3.08	1,450	1,970	300/D
27	1.5	Stranded	0.7	1.9	29.0	12.1	2,500	800	300/D
	2.5	Stranded	0.7	1.9	31.0	7.41	2,100	1,100	300/D
	4	Stranded	0.7	2.1	35.0	4.61	1,700	1,550	300/D
28	1.5	Stranded	0.7	1.9	30.0	12.1	2,500	850	300/D
	2.5	Stranded	0.7	2.0	32.5	7.41	2,100	1,150	300/D
	4	Stranded	0.7	2.1	36.5	4.61	1,700	1,660	300/D
29	1.5	Stranded	0.7	1.9	30.0	12.1	2,500	850	300/D
	2.5	Stranded	0.7	2.0	32.5	7.41	2,100	1,150	300/D
	4	Stranded	0.7	2.1	36.5	4.61	1,700	1,660	300/D
30	1.5	Stranded	0.7	1.9	30.0	12.1	2,500	850	300/D
	2.5	Stranded	0.7	2.0	32.5	7.41	2,100	1,150	300/D
	4	Stranded	0.7	2.1	36.5	4.61	1,700	1,660	300/D

D : Packing in drum

**FS/FDLH-0.6-1KV-CCE or FS/FDLH-0.6-1KV-CCE-S**

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

**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)**