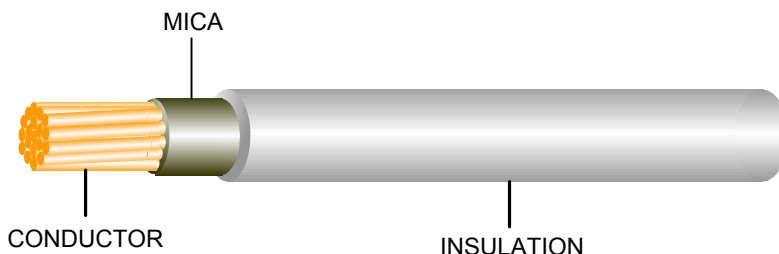

FS/FDLH-0.6/1KV-XLPE (C)

0.6/1(1.2)kV Mica Fire-barrier Copper Conductor 90 °C XLPE Insulated Fire Resistant and Retardant with Low Smoke and Zero Halogen Cable



CABLE STRUCTURE

NUMBER OF CORE

: Single Core

CONDUCTOR

: Concentric stranded and compact stranded annealed copper
Size 1.5 mm² up to 400 mm²

INSULATION

: Low smoke and zero halogen cross-linked polyethylene
(LSOH-XLPE)

CLASSIFICATION

: Maximum conductor temperature 90 °C ,Circuit voltage not
exceeding 1 kV

TESTING VOLTAGE

: 2.5 kV

REFERENCE STANDARD

: Based on BS 7211

SMOKE DENSITY TEST

: BS EN 50268-2 (IEC 61034-2)

ACID GAS TEST

: BS 6383 Cat. CWZ

FLAME RETARDANT STANDARD

: BS 4066 part 1



FS/FDLH-0.6/1KV-XLPE (C)

Size (mm ²)	Conductor Strands (mm)	Conductor Diameter Approx. (mm)	Insulation Thickness Nominal (mm)	Overall Diameter Approx. (mm)	Maximum Conductor Resistance at 20 °C (Ω/km)	Maximum Conductor Resistance at 90 °C (MΩ-km)	Maximum Continuous Current Rating in Free air (Ampere)	Weighth Of Cable (approx.) (kg/km)	Standard Packing Length (m)
1.5	7/0.53	1.59	0.7	3.8	12.1	0.010	24	23	500/D
2.5	7/0.67	2.01	0.8	4.6	7.41	0.009	33	34	500/D
4	7/0.85	2.55	0.8	5.1	4.61	0.0077	44	49	500/D
6	7/1.04	3.12	0.8	5.7	3.08	0.0065	57	70	500/D
10	6	3.8	1.0	6.6	1.83	0.0050	79	110	500/D
16	6	4.8	1.0	7.6	1.15	0.0050	105	160	500/D
25	6	6.0	1.2	9.2	0.727	0.0043	145	250	500/D
35	6	7.1	1.2	10.5	0.524	0.0043	180	340	500/D
50	6	8.3	1.4	12.0	0.387	0.0035	220	460	500/D
70	12	9.9	1.4	13.5	0.268	0.0035	280	650	500/D
95	15	11.7	1.6	16.0	0.193	0.0035	350	900	500/D
120	18	13.2	1.6	17.5	0.153	0.0032	405	1,100	500/D
150	18	14.6	1.8	19.0	0.124	0.0032	465	1,400	500/D
185	30	16.3	2.0	22	0.0991	0.0032	540	1,800	500/D
240	34	18.7	2.2	24	0.0754	0.0032	645	2,300	500/D
300	34	20.9	2.4	27	0.0601	0.0030	740	2,900	500/D
400	53	23.5	2.6	30	0.0470	0.0028	860	3,700	500/D
500	53	26.7	2.8	34	0.0366	0.0028	1,000	4,700	500/D
630	53	30.3	2.8	36	0.0283	0.0025	1,155	6,000	500/D

D : Packing in drum