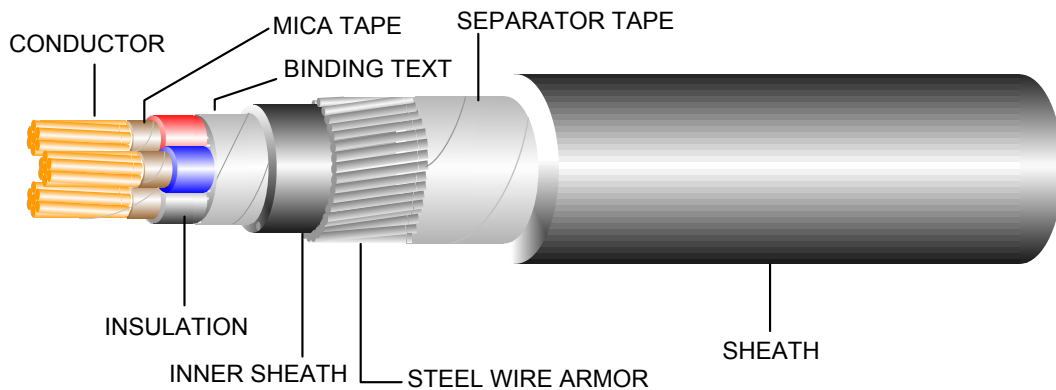


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## FS/FDFH-0.6/1KV-CE-SWA

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**0.6/1(1.2)kV Mica Fire-Barrier Copper Conductor 90 °C XLPE Insulated PE Jacketed Steel Wire Armored Fire Resistant and Flame Retardant with Low Smoke and Zero Halogen Power Cable**



### CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: 2 up to 4 core : Concentric stranded and compact stranded annealed copper, Sizes 1.5 mm <sup>2</sup> up to 400 mm <sup>2</sup>
<b>INSULATION</b>	: Low Smoke and zero halogen cross-linked polyethylene (LSOH-XLPE) Color : Red, Yellow, Blue, Black
<b>ARMOUR</b>	: Steel wire armor
<b>SHEATH</b>	: Low Smoke and zero halogen polyethylene (LSOH-PE)
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90 °C ,Circuit voltage not Exceeding 1kV
<b>TESTING VOLTAGE</b>	: 3.5 kV
<b>REFERENCE</b>	: BS 7846
<b>SMOKE DENSITY</b>	: BS EN 50268-2 ( IEC 61034-2)
<b>ACID GAS TEST</b>	: BS EN 50267-2-2 ( IEC 60754-2)
<b>FLAME RETARDANT STANDARD</b>	: BS 6387 Cat. CWZ . , BS 4066 part 3 Cat C

## FS/FDLH-0.6/1KV-CE-SWA

No. of core	Size (mm <sup>2</sup> )	Conductor Strands (mm)	Conductor Diameter Approx. (mm)	Insulation Thickness Nominal (mm)	Jacket Thickness Nominal (mm)	Diameter Of Jacket Approx. (mm)	Armor Wire Diameter Nominal (mm.)	Overall Jacket Thickness Nominal (mm)	Overall Diameter Approx. (mm)	Maximum Conductor Resistance at 20 °C (Ω/km)	Maximum Continuous Current Rating in Free air ( Ampere )	Weight Of Cable (approx.) (kg/km)	Standard Packing Length (m)
2	1.5	7/0.53	1.59	0.7	0.8	9.2	0.9	1.3	14.0	12.1	26	320	300/D
	2.5	7/0.67	2.01	0.7	0.8	10.5	0.9	1.4	15.5	7.41	34	390	300/D
	4	7/0.85	2.55	0.7	0.8	11.5	0.9	1.4	16.5	4.61	45	450	300/D
	6	7/1.04	3.12	0.7	0.8	12.5	0.9	1.4	17.5	3.08	58	550	300/D
	10	6	3.8	0.7	0.8	14.0	0.9	1.5	19.0	1.83	77	650	300/D
	16	6	4.8	0.7	0.8	16.0	1.25	1.5	22	1.15	100	950	300/D
	25	6	6	0.9	0.8	19.0	1.25	1.6	25	0.727	135	1,300	300/D
	35	6	7.1	0.9	1.0	22	1.6	1.7	29	0.524	165	1,700	300/D
	50	6	8.3	1.0	1.0	25	1.6	1.8	32	0.387	200	2,100	300/D
	70	12	9.9	1.1	1.0	28	1.6	1.9	36	0.268	250	2,700	300/D
	95	15	11.7	1.1	1.2	32	2.0	2.0	41	0.193	310	3,800	300/D
	120	18	13.2	1.2	1.2	36	2.0	2.1	45	0.153	360	4,500	300/D
	150	18	14.6	1.4	1.2	40	2.0	2.2	48	0.124	410	5,000	300/D
	185	30	16.3	1.6	1.4	44	2.5	2.4	55	0.0991	480	7,000	300/D
	240	34	18.7	1.7	1.4	50	2.5	2.5	60	0.0754	570	8,500	300/D
	300	34	20.9	1.8	1.6	55	2.5	2.6	66	0.0601	660	10,000	300/D
	400	53	23.5	2.0	1.6	61	2.5	2.8	73	0.0470	760	12,000	300/D
3	1.5	7/0.53	1.59	0.6	0.8	9.8	0.90	1.3	14.5	12.1	22	360	300/D
	2.5	7/0.67	2.01	0.7	0.8	11.0	0.90	1.4	16.0	7.41	30	440	300/D
	4	7/0.85	2.55	0.7	0.8	12.5	0.90	1.4	17.0	4.61	39	500	300/D
	6	7/1.04	3.12	0.7	0.8	13.5	0.90	1.4	18.5	3.08	50	600	300/D
	10	6	3.8	0.7	0.8	15.0	1.25	1.5	21	1.83	67	900	300/D
	16	6	4.8	0.7	0.8	17.0	1.25	1.6	23	1.15	89	1,200	300/D
	25	6	6.0	0.9	1.0	21	1.60	1.7	28	0.727	115	1,800	300/D
	35	6	7.1	0.9	1.0	24	1.60	1.8	31	0.524	140	2,200	300/D
	50	6	8.3	1.0	1.0	27	1.60	1.8	34	0.387	170	2,600	300/D
	70	12	9.9	1.1	1.0	30	1.60	1.9	38	0.268	215	3,400	300/D
	95	15	11.7	1.1	1.2	35	2.0	2.1	43	0.193	265	4,700	300/D
	120	18	13.2	1.2	1.2	39	2.0	2.2	47	0.153	310	5,500	300/D
	150	18	14.6	1.4	1.4	43	2.5	2.3	53	0.124	355	7,500	300/D
	185	30	16.3	1.6	1.4	48	2.5	2.4	58	0.0991	410	9,000	300/D
	240	34	18.7	1.7	1.4	53	2.5	2.6	64	0.0754	490	11,000	300/D
	300	34	20.9	1.8	1.6	59	2.5	2.7	70	0.0601	565	13,000	300/D
	400	53	23.5	2.0	1.6	66	2.5	2.9	78	0.0470	655	16,000	200/D

D : Packing in drum



## FS/FDLH-0.6/1KV-CE-SWA

No. of core	Size (mm <sup>2</sup> )	Conductor Strands (mm)	Conductor Diameter Approx. (mm)	Insulation Thickness Nominal (mm)	Jacket Thickness Nominal (mm)	Diameter Of Jacket Approx. (mm)	Armor Wire Diameter Nominal (mm.)	Overall Jacket Thickness Nominal (mm)	Overall Diameter Approx. (mm)	Maximum Conductor Resistance at 20 °C (Ω/km)	Maximum Continuous Current Rating in Free air ( Ampere )	Weight Of Cable (approx.) (kg/km)	Standard Packing Length (m)
4	1.5	7/0.53	1.59	0.6	0.8	10.5	0.90	1.3	15.5	12.1	23	410	300/D
	2.5	7/0.67	2.01	0.7	0.8	12.5	0.90	1.4	17.0	7.41	30	500	300/D
	4	7/0.85	2.55	0.7	0.8	13.5	0.90	1.4	18.5	4.61	40	600	300/D
	6	7/1.04	3.12	0.7	0.8	15.0	1.25	1.5	21	3.08	51	850	300/D
	10	6	3.8	0.7	0.8	16.5	1.25	1.5	22	1.83	68	1,000	300/D
	16	6	4.8	0.7	0.8	18.5	1.25	1.6	25	1.15	90	1,400	300/D
	25	6	6	0.9	1.0	23	1.60	1.7	30	0.727	115	2,100	300/D
	35	6	7.1	0.9	1.0	26	1.60	1.8	33	0.524	145	2,600	300/D
	50	6	8.3	1.0	1.0	29	1.60	1.9	37	0.387	170	3,300	300/D
	70	12	9.9	1.1	1.2	34	2.0	2.1	43	0.268	220	4,600	300/D
	95	15	11.7	1.1	1.2	39	2.0	2.2	47	0.193	260	6,000	300/D
	120	18	13.2	1.2	1.4	43	2.5	2.3	53	0.153	305	7,500	300/D
	150	18	14.6	1.4	1.4	48	2.5	2.4	58	0.124	350	9,000	300/D
	185	30	16.3	1.6	1.4	53	2.5	2.6	64	0.0991	400	11,000	300/D
	240	34	18.7	1.7	1.6	60	2.5	2.7	71	0.0754	480	13,500	300/D
	300	34	20.9	1.8	1.6	66	2.5	2.9	77	0.0601	540	16,500	200/D
400	53	23.5	2.0	1.8	74	3.15	3.2	87	0.0470	630	21,500	200/D	

D : Packing in drum

