

0.6/1 kV FRC-XLPE/SWA/LSHF (2 CORES)

FIRE RESISTANT WITH LOW SMOKE & HALOGEN FREE CABLES WITH ARMOUR



Standards Achieved :

Construction	: IEC 60228, IEC 60502-1
Circuit integrity	: BS 6387 Categories C, W, Z : IEC 60331-21
Flame propagation	: IEC 60332-1-2 : IEC 60332-3-24 Category C : IEC 60332-3-22 Category A
Acid gas emission	: IEC 60754-1 : IEC 60754-2
Smoke emission	: IEC 61034-2

Construction :

1. Conductor	: Concentric stranded or Compacted stranded copper wires
2. Fire barrier tape	: Mica tape
3. Insulation	: Cross-linked polyethylene (XLPE) Blue, Brown colour or requested colour
4. Filler	: LSHF rod and/or FR-filler yarn
5. Binding tape	: Polyester tape
6. Inner sheath	: Low smoke & halogen free compound (LSHF)
7. Armour	: Galvanized steel wires
8. Binding tape	: Polyester tape
9. Outer sheath	: Low smoke & halogen free compound (LSHF), Orange colour

Classification :

Maximum conductor temperature	: 90°C
Maximum circuit voltage	: 1,000 V
AC test voltage	: 3,500 V

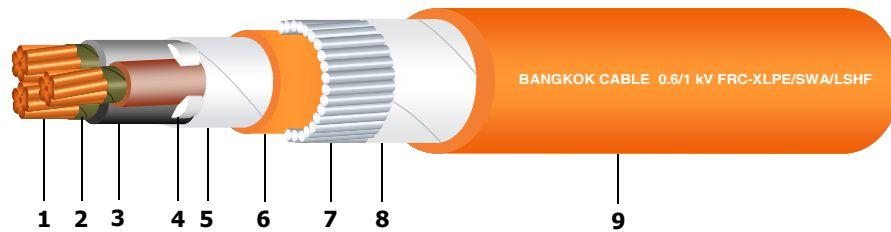
Application :

Preferably used for installation into conduit and open tray wiring which provide flame retardant, low smoke & corrosive gases properties and maintain circuit integrity in case of fire.

No. of core	Conductor			Thickness of insulation mm (Nominal)	Thickness of inner sheath mm (Approx.)	Diameter of wire armour mm (Nominal)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	Conductor resistance at 20°C Ω/km (Max.)	Current rating in free air at 40°C ambient A	Cable weight kg/km (Approx.)	Standard length m
	Cross-sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)									
2	1.5	7	1.53	0.7	1.0	0.8	1.8	17.5	12.1	26	420	500
2	2.5	7	1.98	0.7	1.0	0.8	1.8	18.5	7.41	35	480	500
2	4	7	2.49	0.7	1.0	1.25	1.8	20.5	4.61	46	680	500
2	6	7	3.09	0.7	1.0	1.25	1.8	21.5	3.08	59	770	500
2	10	6	3.72	0.7	1.0	1.25	1.8	23.0	1.83	80	910	500
2	16	6	4.69	0.7	1.0	1.25	1.8	25.0	1.15	105	1,120	500
2	25	6	5.90	0.9	1.0	1.6	1.8	29.0	0.727	140	1,630	500
2	35	6	6.95	0.9	1.0	1.6	1.8	31.5	0.524	170	1,960	500
2	50	6	8.33	1.0	1.0	1.6	1.9	35.0	0.387	210	2,430	500
2	70	12	9.73	1.1	1.0	2.0	2.1	39.5	0.268	260	3,340	500
2	95	15	11.43	1.1	1.2	2.0	2.2	43.5	0.193	320	4,190	400
2	120	18	12.95	1.2	1.2	2.0	2.3	47.0	0.153	370	4,970	400
2	150	18	14.27	1.4	1.2	2.5	2.4	52.0	0.124	420	6,270	300
2	185	30	15.98	1.6	1.4	2.5	2.6	57.0	0.0991	480	7,550	300
2	240	34	18.47	1.7	1.4	2.5	2.8	63.0	0.0754	560	9,300	200
2	300	34	20.68	1.8	1.6	2.5	2.9	68.5	0.0601	635	11,150	150
2	400	53	23.39	2.0	1.6	2.5	3.2	75.5	0.0470	725	13,650	100

0.6/1 kV FRC-XLPE/SWA/LSHF (3 CORES)

FIRE RESISTANT WITH LOW SMOKE & HALOGEN FREE CABLES WITH ARMOUR



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Circuit integrity	: BS 6387 Categories C, W, Z : IEC 60331-21
Flame propagation	: IEC 60332-1-2 : IEC 60332-3-24 Category C : IEC 60332-3-22 Category A
Acid gas emission	: IEC 60754-1 : IEC 60754-2
Smoke emission	: IEC 61034-2

Construction :

1. Conductor	: Concentric stranded or Compacted stranded copper wires
2. Fire barrier tape	: Mica tape
3. Insulation	: Cross-linked polyethylene (XLPE) Brown, Black, Grey colour or requested colour
4. Filler	: LSHF rod and/or FR-filler yarn
5. Binding tape	: Polyester tape
6. Inner sheath	: Low smoke & halogen free compound (LSHF)
7. Armour	: Galvanized steel wires
8. Binding tape	: Polyester tape
9. Outer sheath	: Low smoke & halogen free compound (LSHF), Orange colour

Classification :

Maximum conductor temperature	: 90°C
Maximum circuit voltage	: 1,000 V
AC test voltage	: 3,500 V

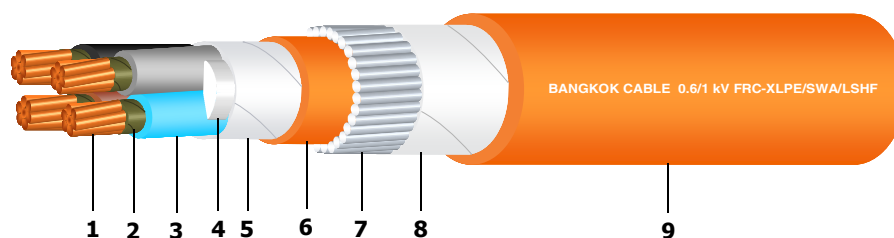
Application :

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No. of core	Conductor			Thickness of insulation mm (Nominal)	Thickness of inner sheath mm (Approx.)	Diameter of wire armour mm (Nominal)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	Conductor resistance at 20°C Ω/km (Max.)	Current rating in free air at 40°C ambient A	Cable weight kg/km (Approx.)	Standard length m
	Cross-sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)									
3	1.5	7	1.53	0.7	1.0	0.8	1.8	18.5	12.1	22	460	500
3	2.5	7	1.98	0.7	1.0	0.8	1.8	19.5	7.41	29	530	500
3	4	7	2.49	0.7	1.0	1.25	1.8	21.5	4.61	39	750	500
3	6	7	3.09	0.7	1.0	1.25	1.8	22.5	3.08	50	870	500
3	10	6	3.72	0.7	1.0	1.25	1.8	24.0	1.83	67	1,050	500
3	16	6	4.69	0.7	1.0	1.6	1.8	27.0	1.15	89	1,470	500
3	25	6	5.90	0.9	1.0	1.6	1.8	30.5	0.727	120	1,960	500
3	35	6	6.95	0.9	1.0	1.6	1.9	33.0	0.524	145	2,410	500
3	50	6	8.33	1.0	1.0	1.6	2.0	37.0	0.387	175	2,990	500
3	70	12	9.73	1.1	1.2	2.0	2.1	42.0	0.268	220	4,170	500
3	95	15	11.43	1.1	1.2	2.0	2.2	46.0	0.193	275	5,210	400
3	120	18	12.95	1.2	1.2	2.5	2.4	51.0	0.153	315	6,700	400
3	150	18	14.27	1.4	1.4	2.5	2.5	55.5	0.124	360	7,960	300
3	185	30	15.98	1.6	1.4	2.5	2.7	60.5	0.0991	410	9,570	250
3	240	34	18.47	1.7	1.6	2.5	2.9	67.5	0.0754	480	11,980	200
3	300	34	20.68	1.8	1.6	2.5	3.1	73.5	0.0601	550	14,410	150
3	400	53	23.39	2.0	1.6	3.15	3.4	82.0	0.0470	625	18,620	100

0.6/1 kV FRC-XLPE/SWA/LSHF (4 CORES)

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	Cross-sectional area mm ²	No. of wires (Min.)	Diameter mm (Approx.)									
4	1.5	7	1.53	0.7	1.0	0.8	1.8	19.5	12.1	22	520	500
4	2.5	7	1.98	0.7	1.0	1.25	1.8	21.5	7.41	29	740	500
4	4	7	2.49	0.7	1.0	1.25	1.8	23.0	4.61	39	860	500
4	6	7	3.09	0.7	1.0	1.25	1.8	24.0	3.08	50	1,010	500
4	10	6	3.72	0.7	1.0	1.25	1.8	25.5	1.83	67	1,230	500
4	16	6	4.69	0.7	1.0	1.6	1.8	28.5	1.15	89	1,730	500
4	25	6	5.90	0.9	1.0	1.6	1.8	33.0	0.727	120	2,360	500
4	35	6	6.95	0.9	1.0	1.6	1.9	36.0	0.524	145	2,910	500
4	50	6	8.33	1.0	1.0	2.0	2.1	41.0	0.387	175	3,920	400
4	70	12	9.73	1.1	1.2	2.0	2.2	45.5	0.268	220	5,100	400
4	95	15	11.43	1.1	1.2	2.5	2.4	51.0	0.193	275	6,880	300
4	120	18	12.95	1.2	1.4	2.5	2.6	56.5	0.153	315	8,350	250
4	150	18	14.27	1.4	1.4	2.5	2.7	61.0	0.124	360	9,890	200
4	185	30	15.98	1.6	1.6	2.5	2.9	67.0	0.0991	410	12,040	150
4	240	34	18.47	1.7	1.6	2.5	3.1	74.0	0.0754	480	15,020	100
4	300	34	20.68	1.8	1.6	3.15	3.3	82.0	0.0601	550	18,990	100
4	400	53	23.39	2.0	1.8	3.15	3.6	90.5	0.0470	625	23,470	100