

## 0.6/1 kV XLPE/LSHF (4 CORES) LOW SMOKE & HALOGEN FREE CABLES



### Standards Achieved :

Construction	: IEC 60228, IEC 60502-1
Flame propagation	: IEC 60332-1-2 : IEC 60332-3-24 Category C
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. Insulation	: Cross-linked polyethylene (XLPE) Blue, Brown, Black, Grey colour or requested colour
3. Filler	: LSHF rod and/or FR-filler yarn
4. Binding tape	: Polyester tape
5. Sheath	: Low smoke & halogen free compound (LSHF), Black colour, or requested 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 surface wiring which provide flame retardant, low smoke & corrosive gases properties in case of fire.

No. of core	Conductor			Thickness of insulation mm (Nominal)	Thickness of 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 <sup>2</sup>	No. of wires (Min.)	Diameter mm (Approx.)							
4	1.5	7	1.53	0.7	1.8	12.0	12.1	21	170	500
4	2.5	7	1.98	0.7	1.8	13.0	7.41	29	230	500
4	4	7	2.49	0.7	1.8	14.5	4.61	38	300	500
4	6	7	3.09	0.7	1.8	16.0	3.08	49	410	500
4	10	6	3.72	0.7	1.8	17.5	1.83	68	590	500
4	16	6	4.69	0.7	1.8	19.5	1.15	91	860	500
4	25	6	5.90	0.9	1.8	24.0	0.727	116	1,300	500
4	35	6	6.95	0.9	1.8	26.5	0.524	144	1,740	500
4	50	6	8.33	1.0	1.8	30.5	0.387	180	2,320	500
4	70	12	9.73	1.1	2.0	35.0	0.268	224	3,250	500
4	95	15	11.43	1.1	2.1	39.0	0.193	271	4,390	500
4	120	18	12.95	1.2	2.3	44.0	0.153	315	5,520	400
4	150	18	14.27	1.4	2.4	48.5	0.124	363	6,780	400
4	185	30	15.98	1.6	2.6	54.0	0.0991	415	8,480	300
4	240	34	18.47	1.7	2.8	61.0	0.0754	490	11,040	200
4	300	34	20.68	1.8	3.0	67.5	0.0601	565	13,720	150
4	400	53	23.39	2.0	3.3	76.0	0.0470	678	17,490	150