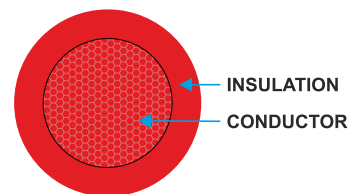




# Single Core / Hook Up Wires

Flame Retardant Low Smoke Cables



## Application

These cables are used for wiring domestic and commercial buildings, control panels, machinery, electronic items and industrial applications, etc.

## Properties

- Limited oxygen index > 29%
- Limited temp. index >250 °C
- Low smoke density < 60%
- HCL acid gas generates < 20%
- Excellent electrical & mechanical properties
- High flame retardant & fire-resistant properties
- Lead (Pb) free non-toxic alternatives
- Higher flexibility ensure easy handling & longer life
- Steam and boiling water resistant & anti-rodent

## Construction

- Conductor : Plain or tin-plated copper, class-2 / class-5 flexible as per IS: 8130
- Insulation : Conforming: IS 5831, Type A - FRLS especially flame-retardant low smoke PVC insulation is used
- Standard : IS-694

## Technical Parameter

- Voltage rating : 650V / 1100V
- Temp rating : -25°C to +70°C, short circuit : 160°C
- Bending radius : 4 to 6 x diameter of cable



Table-A : Single Core, Flexible Cable

Part Code	Cross Section Area	Construction	Insulation Thickness (Nom.)	Overall Diameter (approx.)	Conductor Resistance @ 20°C maximum	Cable Weight Approx.
	mm <sup>2</sup>	No. / mm	mm	mm	Ohm/km	Kg/Km
0401B010005xx	0.50	16/0.20	0.6	2.20	39.0	9
0401B010007xx	0.75	24/0.20	0.6	2.40	26.0	12
0401B010010xx	1.0	14/0.30	0.7	3.00	18.1	14
0401B010015xx	1.5	22/0.30	0.7	3.20	12.1	20
0401B010025xx	2.5	36/0.30	0.8	3.80	7.41	32
0401B010040xx	4	56/0.30	0.8	4.50	4.95	49
0401B010060xx	6	84/0.30	0.8	5.50	3.3	70
0401B010100xx	10	140/0.30	1.00	6.70	1.91	118
0401B010160xx	16	126/0.40	1.00	8.20	1.21	180
0401B010250xx	25	196/0.40	1.20	10.0	0.78	280
0401B010350xx	35	276/0.40	1.20	11.3	0.554	375
0401B010500xx	50	396/0.40	1.40	13.5	0.386	535
0401B010700xx	70	360/0.50	1.40	15.5	0.272	730
0401B010950xx	95	475/0.50	1.60	18.5	0.206	995
0401B011200xx	120	608/0.50	2.0	20.9	0.161	1269
0401B011500xx	150	750/0.50	2.0	22.5	0.129	1540

Note-1 : Kindly complete the part numbers for these cables by adding the suffix (in place of 'xx') for the colour required: 01 - Green, 02 - Black, 03 - Red, 04 - Blue, 05 - Yellow, 06 - Green/Yellow, 07 - White, 08 - Violet, 09 - Brown, 10 - Orange, 11 - Pink, 12 - grey.

Note-2 : Solid, stranded conductor available on request.



0401 - Single Core / Hook Up Wires