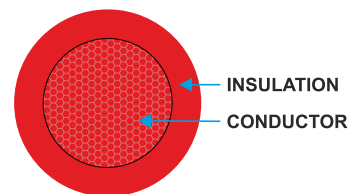




Single Core / Hook Up Wires

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 ²	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.

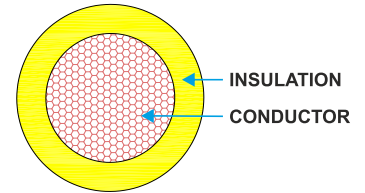


0401 - Single Core / Hook Up Wires



Single Core / Hook Up Wires

Heat-resistant Flame Retardant (HRFR) Cables



0402 - Single Core / Hook Up Wires

Application

- Suitable for use in conduit system and fixed installation
- Control panel boards, electrical devices
- Construction, petrochemical & allied industries

Properties

- Limited oxygen index > 29%
- Limited temp. index > 250 °C
- Heat resistance
- Flame retardant
- Anti-rodent, anti-termite
- 100% electrolytic copper

Construction

- Conductor : Plain or tin-plated copper, class-2 stranded, class-5 flexible as per IS : 8130
- Insulation : Conforming : IS 5831, Type C
Specially formulated heat resistant & flame retardant PVC insulation is used
- Standard : IS-694

Technical Parameter

- Voltage rating : 650V/1100V
- Temp rating : - 25°C to +85°C /105°C
- Short circuit : 160°C
- Bending radius : 4 to 6 x diameter of cable



Table-A : Single Core, Flexible, Unsheathed Cable

Part Code	Area in	Conductor construction	Conductor Dia.	Max. DC Resistance	Insulation Thickness in	Cable Dia (Approx.)	Cable Weight Approx.
	Sq. mm	No. Wire/ mm	mm	Ω/Km @ 20°C	mm Nominal	mm	Kg/Km
0402B010005xx	0.50	16/0.20	0.94	39.0	0.60	2.20	9
0402B010007xx	0.75	24/0.20	1.20	26.0	0.60	2.50	12
0402B010010xx	1.00	32/0.20	1.34	19.5	0.60	2.60	14
0402B010015xx	1.50	*30/0.20	1.64	13.3	0.60	2.90	20
0402B010025xx	2.50	**50/0.25	2.08	7.98	0.70	3.50	32
0402B010040xx	4.00	56/0.30	2.61	4.95	0.80	4.30	49
0402B010060xx	6.00	84/0.30	3.50	3.30	0.80	5.30	70
0402B010100xx	10.0	140/0.30	4.60	1.910	1.00	6.70	118
0402B010160xx	16.0	101/0.45	6.00	1.210	1.00	8.20	180
0402B010250xx	25.0	158/0.45	7.60	0.780	1.20	10.0	280
0402B010350xx	35.0	220/0.45	8.70	0.554	1.20	11.3	375
0402B010500xx	50.0	315/0.45	10.6	0.386	1.40	13.5	535
0402B010700xx	70.0	440/0.45	12.3	0.272	1.40	15.5	730
0402B010950xx	95.0	485/0.50	14.7	0.206	1.60	18.5	995
0402B011200xx	120	608/0.50	16.7	0.161	2.00	20.9	1269
0402B011500xx	150	750/0.50	18.3	0.129	2.00	22.5	1540
0402B011850xx	185	925/0.50	20.0	0.106	2.20	24.6	1890
0402B012400xx	240	1221/0.50	23.0	0.0801	2.20	27.6	2450

* This size can be supplied in 48/0.2 construction.
 **This size can be supplied in 80/0.2 construction.

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, standard available on request.

