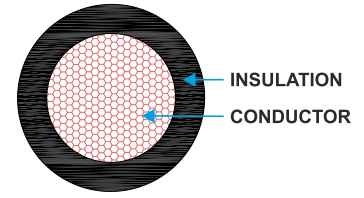




# Halogen Free Flame Retardant Halogen Free Cables



## Application

- These cables are used in applications requiring high safety as in
- Public buildings, Theaters, Airports, Railways, Marine
  - Educational institutions, residential & commercial complexes
  - Green buildings, Hospitals, Hostels, Hotels

## Properties

- Limited Oxygen Index > 29%
- Limited Temp. Index >250°C
- Low smoke Density < 20%
- HCL acid gas generates < 0.50%
- Excellent flame-retardancy
- Halogen Free, Low smoke generation
- Low toxic gas emission

## Construction

- Conductor : Plain or Tin-plated copper, class-2 / class-5 flexible as per IS: 8130 / IEC 60228
- Insulation : LSZH Compound
- Compliances Standard : IEC 60502-1, EN 50268 / IEC 61034, EN 50267-2-2, IEC 60754-2
- Standard : IS-17048

## Technical Parameter

- Voltage rating : 650V / 1100V
- Temp rating : - 25°C to +70°C
- Short circuit : 160°C
- Bending radius : 6 to 8 x diameter of cable



## Cable Technical Parameters

| Part Code     | Cross section Area | Construction<br>No. of strands / mm | Insulation Thickness | Overall Diameter | Conductor Resistance @ 20°C maximum | Cable Wt. approx.. |
|---------------|--------------------|-------------------------------------|----------------------|------------------|-------------------------------------|--------------------|
|               | mm <sup>2</sup>    |                                     | Nominal              | (approx.)        | Ohm/km                              | Kg/km              |
| 0602B001001xx | 1                  | 14/0.30                             | 0.7                  | 3.00             | 18.1                                | 14                 |
| 0602B001501xx | 1.5                | 22/0.30                             | 0.7                  | 3.20             | 12.1                                | 20                 |
| 0602B002501xx | 2.5                | 36/0.30                             | 0.8                  | 3.80             | 7.41                                | 32                 |
| 0602B004001xx | 4                  | 56/0.30                             | 0.8                  | 4.50             | 4.95                                | 49                 |
| 0602B006001xx | 6                  | 84/0.30                             | 0.8                  | 5.50             | 3.3                                 | 70                 |
| 0602B010001xx | 10                 | 140/0.30                            | 1.00                 | 6.70             | 1.91                                | 118                |
| 0602B016001xx | 16                 | 126/0.40                            | 1.00                 | 8.20             | 1.21                                | 180                |
| 0602B025001xx | 25                 | 196/0.40                            | 1.20                 | 10.0             | 0.78                                | 280                |
| 0602B035001xx | 35                 | 276/0.40                            | 1.20                 | 11.3             | 0.554                               | 375                |
| 0602B050001xx | 50                 | 396/0.40                            | 1.40                 | 13.5             | 0.386                               | 535                |
| 0602B070001xx | 70                 | 360/0.50                            | 1.40                 | 15.5             | 0.272                               | 730                |
| 0602B095001xx | 95                 | 475/0.50                            | 1.60                 | 18.5             | 0.206                               | 995                |
| 0602B120001xx | 120                | 608/0.50                            | 2.0                  | 20.9             | 0.161                               | 1269               |
| 0602B150001xx | 150                | 750/0.50                            | 2.0                  | 22.5             | 0.129                               | 1540               |

Note-1: Tinned copper on request

Note-2: 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.

