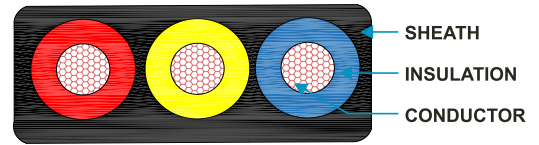




Flat Submersible Cables

Flat Submersible Cable-PVC Insulated



Application

The PVC insulated and sheathed 3 core flat cables are mainly used in pump connections. They are also used in many industrial applications. The sheath is specially made out to resist tough and difficult outdoor conditions & excellent resistant to water.

Construction

- Conductor: Electrolytic grade annealed copper
- PVC 70°C, IS 694, IS 8130 Class 2 (1.5 & 2.5 Sq. mm), for others class 5, IS 5831 Type A insulation & ST-1 sheath.
- PVC HR 85°C. IS 694, IS 8130 Class 2 (1.5 & 2.5 Sq. mm), for others class 5, IS 5831 Type C insulation & ST-2 sheath.
- Core Colour : Red, Yellow, Blue
- Sheath Colour : Black

Properties

- Excellent resistance to water
- RoHS compliance

Technical Parameter

- Approvals : IS 694 marked
- Voltage grade : Upto and including 1100v
- Temp rating : -25°C to 85°C



Dimension

| Part code | Core x Cross sectional area | Conductor resistance at 20°C (Ω/km) Max | Nom. Insulation thickness mm | Nominal sheath thickness mm | Approx. overall dimensions mm | Weight Approx Kg/Km |
|-------------|-----------------------------|---|------------------------------|-----------------------------|-------------------------------|---------------------|
| | Sq. mm | | | | | |
| 1601B030010 | 3x1 | 19.5 | 0.6 | 0.9 | 11.0 X 5.40 | 120 |
| 1601B030015 | 3x1.5* | 12.1 | 0.6 | 0.9 | 12.0 X 5.6 | 135 |
| 1601B030025 | 3x2.5* | 7.41 | 0.7 | 1.0 | 13.0 X 6.2 | 185 |
| 1601B030040 | 3x4 | 4.95 | 0.8 | 1.0 | 15.3 X 7.1 | 255 |
| 1601B030060 | 3x6 | 3.30 | 0.8 | 1.1 | 19.2 X 8.4 | 355 |
| 1601B030100 | 3x10 | 1.91 | 1.0 | 1.4 | 24.2 X 10.4 | 570 |
| 1601B030160 | 3x16 | 1.21 | 1.0 | 1.4 | 29.0 X 12.4 | 850 |
| 1601B030250 | 3x25 | 0.78 | 1.2 | 2.0 | 36.5 X 15.7 | 1390 |
| 1601B030350 | 3x35 | 0.554 | 1.2 | 2.0 | 40.5 X 17.2 | 1800 |
| 1601B030500 | 3x50 | 0.386 | 1.4 | 2.2 | 46.5 X 19.3 | 2260 |

*Conductor configuration offered for 1.5 Sq mm-22/0.3 mm, 2.5 Sq mm – 36/0.3 mm (max.), class 2 as per IS 8130

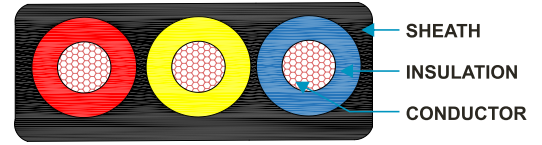


1601 - Submersible PVC Flat Cables



Flat Submersible Cables

Flat Submersible Cable-XLPE Insulated



Application

These cables are mainly used in pump connection. Though they are mainly used to supply power to pumps, they are also used in industrial applications. These cables are specially manufactured keeping in mind the severe, tough and difficult conditions in which they are used.

Construction

- Conductor : Class 2 (1 to 2.5 Sq. mm) for others class 5 to IS 8130/84
- Insulation : XLPE as per IS 7098 part 1
- Sheath : PVC ST-2 sheath to as per IS 5831-84
- Core colour : Red, Yellow, Blue
- Sheath colour : Black

Properties

- Excellent resistance to water
- RoH compliance

Technical Parameter

- Voltage grade : Upto and including 1100v
- Temp rating : -40°C to 90°C



Dimension

| Part code | Cross sectional area | No. of Strands/Max. Strands Dia. mm | Conductor resistance at 20°C (Ω/km) Max | Nom. Insulation thickness mm | Nominal sheath thickness mm | Approx. overall dimensions mm | Core x mm ² |
|-------------|----------------------|-------------------------------------|---|------------------------------|-----------------------------|-------------------------------|------------------------|
| | Sq. mm | | | | | | |
| 1602B030010 | 1 | 14/0.3 | 18.1 | 0.7 | 1.0 | 10.6 X 5.2 | 3x 1.00 |
| 1602B030015 | 1.5 | 22/0.3 | 12.1 | 0.7 | 1.0 | 11.6 X 5.5 | 3x 1.50 |
| 1602B030025 | 2.5 | 36/0.3 | 7.41 | 0.7 | 1.1 | 13.1 X 6.2 | 3x 2.50 |
| 1602B030040 | 4 | 56/0.3 | 4.95 | 0.8 | 1.1 | 15.0 X 6.8 | 3x 4.00 |
| 1602B030060 | 6 | 84/0.3 | 3.30 | 0.8 | 1.2 | 17.2 X 7.7 | 3x 6.00 |
| 1602B030100 | 10 | 140/0.3 | 1.91 | 0.8 | 1.3 | 20.2 X 8.8 | 3x 10.0 |
| 1602B030160 | 16 | 126/0.4 | 1.21 | 0.8 | 1.4 | 23.6 X 10.0 | 3x 16 |
| 1602B030250 | 25 | 196/0.4 | 0.78 | 1.0 | 1.5 | 28.9 X 12.0 | 3x 25 |
| 1602B030350 | 35 | 276/0.4 | 0.554 | 1.0 | 1.6 | 32.7 X 13.4 | 3x 35 |
| 1602B030500 | 50 | 396/0.4 | 0.386 | 1.2 | 1.7 | 38.7 X 15.5 | 3x 50 |

