

## ITF-201

### INSTRUMENTATION CABLE

FEP - ALMYLAR - FEP INSULATED - 200°C



JSS 51034, IS 8130

Voltage Grade : 600/1100V

#### SPECIFICATIONS

|                   |   |
|-------------------|---|
| Conductor         | : Solid, Multistrand, Electrolytic Grade Conductor<br>Bare Copper, NPC, SPC , TPC As per IS 8130:84 |
| Insulation        | : Extruded FEP Insulated  |
| Construction      | : Twisted   |
| Outer Braiding    | : Almylar Screen with ATC Drain Wire  |
| Outer Jacket      | : Extruded FEP Insulated  |
| Operating Temp. : | 200°C   |

#### FEATURES

- ✓ Max. Temp. Up to 200°C
- ✓ Suitable for High Voltage Use
- ✓ Low Dielectric Constant
- ✓ Excellent Fire Retardant Property
- ✓ Higher Resist to Electromagnetic Signal
- ✓ Smaller Diameter
- ✓ Good Mechanical Strength

#### AVAILABLE OPTIONS

- ✓ Metal Covering
- ✓ Special Colour Code
- ✓ Metal Shielding

#### CONSTRUCTION DETAILS AND DIMENSIONS

| CABLE SIZE | NO. OF STRANDS | STRAND DIAMETER (mm) | AREA OF CONDUCTOR (mm) <sup>2</sup> | BARE CONDUCTOR DIA.(mm) | FORMATION | CABLE DIMENSION (mm)(max.) | CABLE WT. (APPROX.) (gm/meter) |
|------------|----------------|----------------------|-------------------------------------|-------------------------|-----------|----------------------------|--------------------------------|
| ITF201     | 7              | 0.152                | 0.12                                | 0.46                    | Twisted   | 2.5                        | 14.66                          |
| ITF202     | 7              | 0.160                | 0.14                                | 0.48                    | Twisted   | 2.6                        | 16.2                           |
| ITF203     | 1              | 0.510                | 0.2                                 | 0.51                    | Twisted   | 3.1                        | 19.7                           |
| ITF204     | 7              | 0.200                | 0.22                                | 0.59                    | Twisted   | 3.2                        | 20.4                           |
| ITF205     | 7              | 0.274                | 0.42                                | 0.81                    | Twisted   | 4                          | 28.5                           |
| ITF206     | 14             | 0.200                | 0.45                                | 0.84                    | Twisted   | 4.1                        | 29.8                           |
| ITF207     | 1              | 0.810                | 0.5                                 | 0.81                    | Twisted   | 4                          | 32                             |
| ITF208     | 7              | 0.300                | 0.5                                 | 0.89                    | Twisted   | 4.2                        | 32                             |
| ITF209     | 24             | 0.200                | 0.75                                | 1.1                     | Twisted   | 4.7                        | 39                             |
| ITF210     | 14             | 0.300                | 1                                   | 1.26                    | Twisted   | 5                          | 46.5                           |
| ITF211     | 3              | 0.711                | 1.2                                 | 1.39                    | Twisted   | 5.3                        | 54.2                           |
| ITF212     | 40             | 0.200                | 1.25                                | 1.42                    | Twisted   | 5.4                        | 57                             |
| ITF213     | 1              | 1.290                | 1.3                                 | 1.29                    | Twisted   | 5.1                        | 58.9                           |
| ITF214     | 19             | 0.300                | 1.3                                 | 1.52                    | Twisted   | 5.7                        | 58.9                           |
| ITF215     | 21             | 0.300                | 1.5                                 | 1.55                    | Twisted   | 5.8                        | 65                             |
| ITF216     | 35             | 0.300                | 2.5                                 | 2                       | Twisted   | 7                          | 105                            |

#### ORDERING CODE

| Conductor Size   | Type of Conductor        | No. of Core              | Color Code | Cable Formation |
|------------------|--------------------------|--------------------------|------------|-----------------|
| (ITFXXX)         | (XXX)                    | (XX)                     | (XXX)      | (X)             |
| 201<br>to<br>216 | BC0<br>NPC<br>TPC<br>SPC | 01<br>02<br>-<br>-<br>48 | BW0<br>CS0 | T-(Twisted)     |

**Note :** BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper)  
BW0 (Blue - White), CS0 (Customer specification)