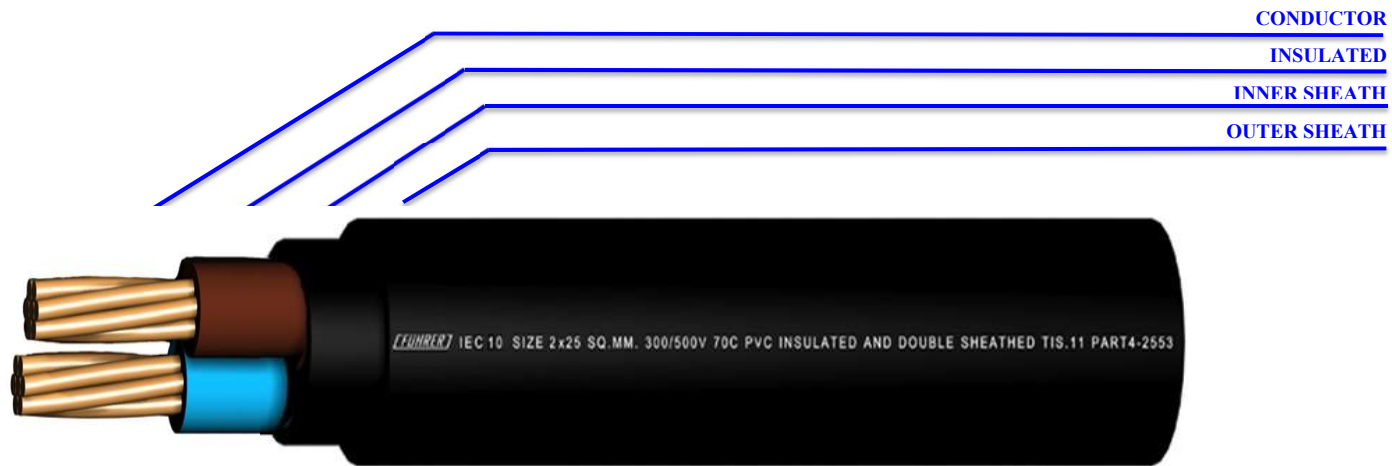


## 300/500 V 70°C PVC INSULATED AND DOUBLE SHEATHED ROUND TYPE



|                |   |                      |  |
|----------------|---|----------------------|--|
| CONDUCTOR :    | Solid and Standard annealed copper<br>Size 1.5 mm <sup>2</sup> up to 35 mm <sup>2</sup> | CLASSIFICATION :     | Maximum conductor temperature 70°C<br>Circuit voltage not exceeding 500 volt |
| INSULATION :   | Polyvinyl chloride (PVC)<br>Brown , Black , Grey  | TESTING VOLTAGE :    | 2,000 VAC  |
| INNER SHEATH : | Polyvinyl chloride (Black colour)   | REFERENCE STANDARD : | TIS.11 PART 4-2553   |
| OUTER SHEATH : | Polyvinyl chloride (Black colour)   |                      |  |

| No<br>of<br>core | Nominal<br>Cross<br>Sectional<br>area<br>(mm <sup>2</sup> ) | Conductor                     |                               | Thickness<br>of<br>Insulation<br>(mm) | Thickness<br>of<br>Inner<br>Sheath<br>(mm) | Thickness<br>of<br>Outer<br>Sheath<br>(mm) | Overall<br>diameter<br>(mm) |             | Maximum<br>continuous<br>current rating<br>(A)<br>on cable ladder | Minimum<br>insulation<br>resistance<br>at 70°C<br>(MΩ-Km) | Cable<br>weight<br>(approx.)<br>Kg/Km | Standard<br>length<br>(m) |
|------------------|---|-------------------------------|-------------------------------|---------------------------------------|--|--|-----------------------------|-------------|---|---|---------------------------------------|---------------------------|
|                  |   | Number<br>of<br>wire<br>(Min) | Diameter<br>(mm)<br>(Approx.) |                                       |  |  | Lower Limit                 | Upper Limit |   |   |                                       |                           |
|                  |   |                               |                               |                                       |  |  |                             |             |   |   |                                       |                           |
| 2                | 1.5   | 1                             | 1.36                          | 0.7                                   | 0.4  | 1.2  | 7.6                         | 10.0        | 16  | 0.011   | 120                                   | 100/C                     |
|                  | 2.5   | 1                             | 1.75                          | 0.8                                   | 0.4  | 1.2  | 8.6                         | 11.5        | 22  | 0.010   | 160                                   | 100/C                     |
|                  | 4   | 1                             | 2.21                          | 0.8                                   | 0.4  | 1.2  | 9.6                         | 12.5        | 30  | 0.0085  | 210                                   | 100/C                     |
|                  | 6   | 7                             | 3.09                          | 0.8                                   | 0.4  | 1.2  | 11.0                        | 14.0        | 37  | 0.0065  | 290                                   | 100/C                     |
|                  | 10  | 7                             | 4.00                          | 1.0                                   | 0.6  | 1.4  | 13.5                        | 17.5        | 52  | 0.0065  | 470                                   | 100/C                     |
|                  | 16  | 7                             | 5.00                          | 1.0                                   | 0.6  | 1.4  | 15.5                        | 20.0        | 70  | 0.0052  | 650                                   | 500/D                     |
|                  | 25  | 7                             | 6.3                           | 1.2                                   | 0.8  | 1.4  | 18.5                        | 24.0        | 88  | 0.0050  | 980                                   | 500/D                     |
|                  | 35  | 7                             | 7.55                          | 1.2                                   | 1.0  | 1.6  | 21.0                        | 27.5        | 110   | 0.0044  | 1310                                  | 500/D                     |

C:Packing in coil.

D:Packing in drum.

300/500 V 70°C PVC INSULATED AND DOUBLE SHEATHED ROUND TYPE

CONDUCTOR

INSULATED

INNER SHEATH

OUTER SHEATH



CONDUCTOR : Solid and Standard annealed copper  
Size 1.5 mm<sup>2</sup> up to 35 mm<sup>2</sup>

CLASSIFICATION : Maximum conductor temperature 70°C  
Circuit voltage not exceeding 500 volt

INSULATION : Polyvinyl chloride (PVC)  
Brown , Black , Grey

TESTING VOLTAGE : 2,000 VAC

INNER SHEATH : Polyvinyl chloride (Black colour)

REFERENCE STANDARD : TIS.11 PART 4-2553

OUTER SHEATH : Polyvinyl chloride (Black colour)

| No of core | Nominal Cross Sectional area (mm <sup>2</sup> ) | Conductor            |                         | Thickness of Insulation (mm) | Thickness of Inner Sheath (mm) | Thickness of Outer Sheath (mm) | Overall diameter (mm) |             | Maximum continuous current rating (A) on cable ladder | Minimum insulation resistance at 70°C (MΩ-Km) | Cable weight (approx.) Kg/Km | Standard length (m) |
|------------|---|----------------------|-------------------------|------------------------------|--------------------------------|--------------------------------|-----------------------|-------------|---|---|------------------------------|---------------------|
|            |   | Number of wire (Min) | Diameter (mm) (Approx.) |                              |                                |                                | Lower Limit           | Upper Limit |   |   |                              |                     |
|            |   |                      |                         |                              |                                |                                |                       |             |   |   |                              |                     |
| 3          | 1.5   | 1                    | 1.36                    | 0.7                          | 0.4                            | 1.2                            | 8.0                   | 10.5        | 16  | 0.011   | 140                          | 100/C               |
|            | 2.5   | 1                    | 1.75                    | 0.8                          | 0.4                            | 1.2                            | 9.2                   | 12.0        | 22  | 0.010   | 190                          | 100/C               |
|            | 4   | 1                    | 2.21                    | 0.8                          | 0.4                            | 1.2                            | 10.0                  | 13.0        | 30  | 0.0085  | 250                          | 100/C               |
|            | 6   | 7                    | 3.09                    | 0.8                          | 0.4                            | 1.4                            | 12.0                  | 15.5        | 37  | 0.0065  | 370                          | 100/C               |
|            | 10  | 7                    | 4.00                    | 1.0                          | 0.6                            | 1.4                            | 14.5                  | 19.0        | 52  | 0.0065  | 590                          | 500/D               |
|            | 16  | 7                    | 5.00                    | 1.0                          | 0.8                            | 1.4                            | 16.5                  | 21.5        | 70  | 0.0052  | 840                          | 500/D               |
|            | 25  | 7                    | 6.3                     | 1.2                          | 0.8                            | 1.6                            | 20.5                  | 26.0        | 88  | 0.0050  | 1270                         | 500/D               |
|            | 35  | 7                    | 7.55                    | 1.2                          | 1.0                            | 1.6                            | 22.0                  | 29.0        | 110   | 0.0044  | 1680                         | 500/D               |

C:Packing in coil.

D:Packing in drum.

300/500 V 70°C PVC INSULATED AND DOUBLE SHEATHED ROUND TYPE



CONDUCTOR : Solid and Standard annealed copper  
Size 1.5 mm<sup>2</sup> up to 35 mm<sup>2</sup>

INSULATION : Polyvinyl chloride (PVC)  
Light blue , Brown , Black , Grey

INNER SHEATH : Polyvinyl chloride (Black colour)

OUTER SHEATH : Polyvinyl chloride (Black colour)

CLASSIFICATION : Maximum conductor temperature 70°C  
Circuit voltage not exceeding 500 volt

TESTING VOLTAGE : 2,000 VAC

REFERENCE STANDARD : TIS.11 PART 4-2553

| No of core | Nominal Cross Sectional area (mm <sup>2</sup> ) | Conductor            |                         | Thickness of Insulation (mm) | Thickness of Inner Sheath (mm) | Thickness of Outer Sheath (mm) | Overall diameter (mm) |             | Maximum continuous current rating (A) on cable ladder | Minimum insulation resistance at 70°C (MΩ-Km) | Cable weight (approx.) Kg/Km | Standard length (m) |
|------------|---|----------------------|-------------------------|------------------------------|--------------------------------|--------------------------------|-----------------------|-------------|---|---|------------------------------|---------------------|
|            |   | Number of wire (Min) | Diameter (mm) (Approx.) |                              |                                |                                | Lower Limit           | Upper Limit |   |   |                              |                     |
|            |   |                      |                         |                              |                                |                                |                       |             |   |   |                              |                     |
|            | 2.5   | 1                    | 1.75                    | 0.8                          | 0.4                            | 1.2                            | 10.0                  | 13.0        | 22  | 0.010   | 240                          | 100/C               |
|            | 4   | 1                    | 2.21                    | 0.8                          | 0.4                            | 1.4                            | 11.5                  | 14.5        | 30  | 0.0085  | 330                          | 100/C               |
|            | 6   | 7                    | 3.09                    | 0.8                          | 0.6                            | 1.4                            | 13.0                  | 17.0        | 37  | 0.0065  | 480                          | 100/C               |
|            | 10  | 7                    | 4.00                    | 1.0                          | 0.6                            | 1.4                            | 16.0                  | 20.5        | 52  | 0.0065  | 740                          | 500/D               |
|            | 16  | 7                    | 5.00                    | 1.0                          | 0.8                            | 1.4                            | 18.0                  | 23.5        | 70  | 0.0052  | 1060                         | 500/D               |
|            | 25  | 7                    | 6.3                     | 1.2                          | 1.0                            | 1.6                            | 22.5                  | 28.5        | 88  | 0.0050  | 1640                         | 500/D               |
|            | 35  | 7                    | 7.55                    | 1.2                          | 1.0                            | 1.6                            | 24.5                  | 32.0        | 110   | 0.0044  | 2130                         | 500/D               |

C:Packing in coil.

D:Packing in drum.

