

## Three Core Aluminium & Copper Conductor, XLPE Insulated, Armoured Cable

**Voltage Grade : 1.9 / 3.3 kV (Unscreened) (E)  
3.3 & 3.3 kV (Unscreened) (UE)**

### WEIGHT & DIMENSIONS

| Nominal Size of as per IS 8130/84 Sq.mm. | Form of Conductor Stranded<br>△ | Nom. Thickness of XLPE Insulation<br>mm | Min. Thickness of PVC Inner Sheath<br>mm | Strip Armoured Cable                 |  |   |                                       |                                       | Round Wire Armoured Cable             |  |   |                                       |                                       | CURRENT RATING |        |           |        |
|--|---------------------------------|---|--|--------------------------------------|--|---|---------------------------------------|---------------------------------------|---------------------------------------|--|---|---------------------------------------|---------------------------------------|----------------|--------|-----------|--------|
|  |                                 |   |  | Nom. Dimension G.I. Flat Strip<br>mm | Min. Thickness of PVC Outer Sheath<br>mm | Approx. Overall Diameter of Cable<br>mm | Al. Approx. Weight of Cable<br>Kg./Km | Cu. Approx. weight of Cable<br>Kg./Km | Nom. Dimension of GI Round Wire<br>mm | Min. Thickness of PVC Outer Sheath<br>mm | Approx. Overall Diameter of Cable<br>mm | Al. Approx. Weight of Cable<br>Kg./Km | Cu. Approx. Weight of Cable<br>Kg./Km | Aluminium      |        | Copper    |        |
|  |                                 |   |  |                                      |  |   |                                       |                                       |                                       |  |   |                                       |                                       | In ground      | In air | In ground | In air |
|  |                                 |   |  | Amps.                                | Amps.                                    | Amps.                                   | Amps.                                 |                                       |                                       |  |   |                                       |                                       |                |        |           |        |
| 25                                       | Shaped                          | 2.2                                     | 0.3                                      | 4x0.8                                | 1.40                                     | 28.00                                   | 1010                                  | 1455                                  | 1.60                                  | 1.56                                     | 30.00                                   | 1330                                  | 1775                                  | 93             | 97     | 120       | 126    |
| 35                                       | Shaped                          | 2.2                                     | 0.3                                      | 4x0.8                                | 1.56                                     | 30.00                                   | 1155                                  | 1775                                  | 1.60                                  | 1.56                                     | 31.50                                   | 1460                                  | 2080                                  | 111            | 119    | 142       | 148    |
| 50                                       | Shaped                          | 2.2                                     | 0.4                                      | 4x0.8                                | 1.56                                     | 33.00                                   | 1360                                  | 2200                                  | 2.00                                  | 1.56                                     | 35.50                                   | 1960                                  | 2795                                  | 132            | 148    | 160       | 175    |
| 70                                       | Shaped                          | 2.2                                     | 0.4                                      | 4x0.8                                | 1.56                                     | 35.00                                   | 1625                                  | 2835                                  | 2.00                                  | 1.56                                     | 37.50                                   | 2245                                  | 3455                                  | 160            | 179    | 215       | 225    |
| 95                                       | Shaped                          | 2.2                                     | 0.4                                      | 4x0.8                                | 1.72                                     | 38.50                                   | 1965                                  | 3645                                  | 2.00                                  | 1.72                                     | 40.50                                   | 2660                                  | 4340                                  | 192            | 219    | 260       | 270    |
| 120                                      | Shaped                          | 2.2                                     | 0.5                                      | 4x0.8                                | 1.72                                     | 40.50                                   | 2295                                  | 4415                                  | 2.00                                  | 1.88                                     | 43.50                                   | 3040                                  | 5165                                  | 218            | 253    | 290       | 310    |
| 150                                      | Shaped                          | 2.2                                     | 0.5                                      | 4x0.8                                | 1.88                                     | 43.50                                   | 2670                                  | 5295                                  | 2.50                                  | 2.04                                     | 47.50                                   | 3885                                  | 6510                                  | 245            | 290    | 325       | 350    |
| 185                                      | Shaped                          | 2.2                                     | 0.5                                      | 4x0.8                                | 2.04                                     | 47.00                                   | 3170                                  | 6450                                  | 2.50                                  | 2.04                                     | 50.50                                   | 4435                                  | 7710                                  | 275            | 330    | 365       | 400    |
| 240                                      | Shaped                          | 2.2                                     | 0.6                                      | 4x0.8                                | 2.20                                     | 50.00                                   | 3790                                  | 8105                                  | 2.50                                  | 2.20                                     | 53.50                                   | 5160                                  | 9470                                  | 318            | 391    | 425       | 475    |
| 300                                      | Shaped                          | 2.2                                     | 0.6                                      | 4x0.8                                | 2.20                                     | 56.00                                   | 4540                                  | 9955                                  | 2.50                                  | 2.36                                     | 59.50                                   | 6115                                  | 11530                                 | 360            | 453    | 476       | 540    |
| 400                                      | Shaped                          | 2.2                                     | 0.7                                      | 4x0.8                                | 2.52                                     | 60.50                                   | 5530                                  | 12445                                 | 3.15                                  | 2.68                                     | 65.00                                   | 7900                                  | 14810                                 | 410            | 530    | 570       | 650    |

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,  
Armoured Cable Conforming to IS 7098 Part-2/1985**

**Voltage Grade : 1.9 / 3.3 kV (Screened) (E)  
3.3 & 3.3 kV (Screened) (UE)**

**WEIGHT & DIMENSIONS**

| Nominal Size of as per IS 8130/84 Sq.mm. | Form of Conductor Stranded<br>○ | Nom. Thickness of XLPE Insulation<br>mm | Min. Thickness of PVC Inner Sheath<br>mm | Strip Armoured Cable                 |  |   |                                       |                                       | Round Wire Armoured Cable             |  |   |                                       |                                       | CURRENT RATING |        |           |        |
|--|---------------------------------|---|--|--------------------------------------|--|---|---------------------------------------|---------------------------------------|---------------------------------------|--|---|---------------------------------------|---------------------------------------|----------------|--------|-----------|--------|
|  |                                 |   |  | Nom. Dimension G.I. Flat Strip<br>mm | Min. Thickness of PVC Outer Sheath<br>mm | Approx. Overall Diameter of Cable<br>mm | Al. Approx. Weight of Cable<br>Kg./Km | Cu. Approx. weight of Cable<br>Kg./Km | Nom. Dimension of GI Round Wire<br>mm | Min. Thickness of PVC Outer Sheath<br>mm | Approx. Overall Diameter of Cable<br>mm | Al. Approx. Weight of Cable<br>Kg./Km | Cu. Approx. Weight of Cable<br>Kg./Km | Aluminium      |        | Copper    |        |
|  |                                 |   |  |                                      |  |   |                                       |                                       |                                       |  |   |                                       |                                       | In ground      | In air | In ground | In air |
|  |                                 |   |  | Amps.                                | Amps.                                    | Amps.                                   | Amps.                                 |                                       |                                       |  |   |                                       |                                       |                |        |           |        |
| 25                                       | Circular                        | 2.2                                     | 0.4                                      | 4 X 0.8                              | 1.56                                     | 34.5                                    | 1570                                  | 2020                                  | 2.0                                   | 1.56                                     | 37.0                                    | 2100                                  | 2545                                  | 93             | 97     | 120       | 126    |
| 35                                       | Circular                        | 2.2                                     | 0.4                                      | 4 X 0.8                              | 1.56                                     | 36.5                                    | 1730                                  | 2350                                  | 2.0                                   | 1.72                                     | 39.0                                    | 2330                                  | 2955                                  | 111            | 119    | 142       | 148    |
| 50                                       | Circular                        | 2.2                                     | 0.4                                      | 4 X 0.8                              | 1.72                                     | 39.5                                    | 2040                                  | 2880                                  | 2.0                                   | 1.72                                     | 42.0                                    | 2665                                  | 3500                                  | 132            | 148    | 160       | 175    |
| 70                                       | Circular                        | 2.2                                     | 0.5                                      | 4 X 0.8                              | 1.72                                     | 43.0                                    | 2440                                  | 3650                                  | 2.0                                   | 1.88                                     | 45.5                                    | 3140                                  | 4355                                  | 160            | 179    | 215       | 225    |
| 95                                       | Circular                        | 2.2                                     | 0.5                                      | 4 X 0.8                              | 1.88                                     | 47.0                                    | 2905                                  | 4590                                  | 2.5                                   | 2.04                                     | 50.5                                    | 4080                                  | 5760                                  | 192            | 219    | 260       | 270    |
| 120                                      | Circular                        | 2.2                                     | 0.5                                      | 4 X 0.8                              | 2.04                                     | 52.0                                    | 3475                                  | 5595                                  | 2.5                                   | 2.04                                     | 55.5                                    | 4700                                  | 6820                                  | 218            | 253    | 290       | 310    |
| 150                                      | Circular                        | 2.2                                     | 0.6                                      | 4 X 0.8                              | 2.04                                     | 53.5                                    | 3750                                  | 6375                                  | 2.5                                   | 2.20                                     | 57.0                                    | 5070                                  | 7690                                  | 245            | 290    | 325       | 350    |
| 185                                      | Circular                        | 2.2                                     | 0.6                                      | 4 X 0.8                              | 2.20                                     | 58.0                                    | 4370                                  | 7645                                  | 2.5                                   | 2.36                                     | 61.5                                    | 5810                                  | 9085                                  | 275            | 330    | 365       | 400    |
| 240                                      | Circular                        | 2.2                                     | 0.6                                      | 4 X 0.8                              | 2.36                                     | 63.5                                    | 5195                                  | 9510                                  | 2.5                                   | 2.36                                     | 67.0                                    | 6745                                  | 11055                                 | 318            | 391    | 425       | 475    |
| 300                                      | Circular                        | 2.2                                     | 0.7                                      | 4 X 0.8                              | 2.52                                     | 68.5                                    | 6085                                  | 11500                                 | 3.15                                  | 2.68                                     | 73.5                                    | 8525                                  | 13940                                 | 360            | 453    | 476       | 540    |
| 400                                      | Circular                        | 2.2                                     | 0.7                                      | 4 X 0.8                              | 2.68                                     | 75.0                                    | 7225                                  | 14105                                 | 3.15                                  | 2.84                                     | 80.0                                    | 9870                                  | 16750                                 | 410            | 530    | 570       | 650    |

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,  
Armoured Cable Conforming to IS 7098 Part-2/1985**

**Voltage Grade : 3.8 / 6.6 kV (E)**

**WEIGHT & DIMENSIONS**

| Nominal Size of as per IS 8130/84 Sq.mm. | Form of Conductor Circular O | Nom. Thickness of XLPE Insulation mm | Min. Thickness of PVC Inner Sheath mm | Strip Armoured Cable              |                                       |                                      |                                    |                                    | Round Wire Armoured Cable          |                                       |                                      |                                    |                                    | CURRENT RATING  |              |                 |              |
|--|------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|--------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------|--------------------------------------|------------------------------------|------------------------------------|-----------------|--------------|-----------------|--------------|
|  |                              |                                      |                                       | Nom. Dimension G.I. Flat Strip mm | Min. Thickness of PVC Outer Sheath mm | Approx. Overall Diameter of Cable mm | Al. Approx. Weight of Cable Kg./Km | Cu. Approx. weight of Cable Kg./Km | Nom. Dimension of GI Round Wire mm | Min. Thickness of PVC Outer Sheath mm | Approx. Overall Diameter of Cable mm | Al. Approx. Weight of Cable Kg./Km | Cu. Approx. Weight of Cable Kg./Km | Aluminium       |              | Copper          |              |
|  |                              |                                      |                                       |                                   |                                       |                                      |                                    |                                    |                                    |                                       |                                      |                                    |                                    | In ground Amps. | In air Amps. | In ground Amps. | In air Amps. |
| 25                                       | Circular                     | 2.8                                  | 0.4                                   | 4x0.8                             | 1.56                                  | 37.00                                | 1785                               | 2230                               | 2.00                               | 1.72                                  | 39.50                                | 2390                               | 2835                               | 94              | 100          | 110             | 115          |
| 35                                       | Circular                     | 2.8                                  | 0.4                                   | 4x0.8                             | 1.72                                  | 39.50                                | 1975                               | 2595                               | 2.00                               | 1.72                                  | 42.00                                | 2600                               | 3220                               | 111             | 121          | 135             | 140          |
| 50                                       | Circular                     | 2.8                                  | 0.5                                   | 4x0.8                             | 1.72                                  | 42.00                                | 2280                               | 3115                               | 2.00                               | 1.88                                  | 44.50                                | 2980                               | 3815                               | 130             | 145          | 165             | 175          |
| 70                                       | Circular                     | 2.8                                  | 0.5                                   | 4x0.8                             | 1.88                                  | 46.00                                | 2650                               | 3865                               | 2.00                               | 1.88                                  | 48.00                                | 3365                               | 4580                               | 160             | 181          | 200             | 215          |
| 95                                       | Circular                     | 2.8                                  | 0.5                                   | 4x0.8                             | 1.88                                  | 49.50                                | 3095                               | 4780                               | 2.50                               | 2.04                                  | 53.00                                | 4330                               | 6015                               | 191             | 221          | 235             | 255          |
| 120                                      | Circular                     | 2.8                                  | 0.6                                   | 4x0.8                             | 2.04                                  | 54.50                                | 3655                               | 5775                               | 2.50                               | 2.20                                  | 58.00                                | 5005                               | 7130                               | 217             | 254          | 260             | 290          |
| 150                                      | Circular                     | 2.8                                  | 0.6                                   | 4x0.8                             | 2.20                                  | 56.50                                | 3995                               | 6620                               | 2.50                               | 2.20                                  | 59.50                                | 5340                               | 7965                               | 243             | 290          | 300             | 335          |
| 185                                      | Circular                     | 2.8                                  | 0.6                                   | 4x0.8                             | 2.20                                  | 60.50                                | 4565                               | 7840                               | 2.50                               | 2.36                                  | 64.00                                | 6050                               | 9330                               | 274             | 330          | 330             | 370          |
| 240                                      | Circular                     | 2.8                                  | 0.7                                   | 4x0.8                             | 2.36                                  | 66.50                                | 5570                               | 9885                               | 3.15                               | 2.52                                  | 71.50                                | 7935                               | 12250                              | 317             | 390          | 385             | 440          |
| 300                                      | Circular                     | 3.0                                  | 0.7                                   | 4x0.8                             | 2.52                                  | 72.00                                | 6520                               | 11935                              | 3.15                               | 2.68                                  | 77.00                                | 9090                               | 14505                              | 358             | 450          | 440             | 505          |
| 400                                      | Circular                     | 3.3                                  | 0.7                                   | 4x0.8                             | 2.84                                  | 80.00                                | 7910                               | 14790                              | 4.00                               | 3.00                                  | 87.00                                | 11890                              | 18770                              | 408             | 525          | 515             | 600          |

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,  
Armoured Cable Conforming to IS 7098 Part-2/1985**

**Voltage Grade : 6.35 / 11 kV (E)**

**WEIGHT & DIMENSIONS**

| Nominal Size of as per IS 8130/84 Sq.mm. | Form of Conductor Circular O | Nom. Thickness of XLPE Insulation mm | Min. Thickness of PVC Inner Sheath mm | Strip Armoured Cable              |                                       |                                      |                                    |                                    | Round Wire Armoured Cable          |                                       |                                      |                                    |                                    | CURRENT RATING |        |           |        |
|--|------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|--------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------|--------------------------------------|------------------------------------|------------------------------------|----------------|--------|-----------|--------|
|  |                              |                                      |                                       | Nom. Dimension G.I. Flat Strip mm | Min. Thickness of PVC Outer Sheath mm | Approx. Overall Diameter of Cable mm | Al. Approx. Weight of Cable Kg./Km | Cu. Approx. weight of Cable Kg./Km | Nom. Dimension of GI Round Wire mm | Min. Thickness of PVC Outer Sheath mm | Approx. Overall Diameter of Cable mm | Al. Approx. Weight of Cable Kg./Km | Cu. Approx. Weight of Cable Kg./Km | Aluminium      |        | Copper    |        |
|  |                              |                                      |                                       |                                   |                                       |                                      |                                    |                                    |                                    |                                       |                                      |                                    |                                    | In ground      | In air | In ground | In air |
|  |                              |                                      |                                       | Amps.                             | Amps.                                 | Amps.                                | Amps.                              |                                    |                                    |                                       |                                      |                                    |                                    |                |        |           |        |
| 35                                       | Circular                     | 3.6                                  | 0.5                                   | 4x0.8                             | 1.72                                  | 43.00                                | 2300                               | 2920                               | 2.00                               | 1.88                                  | 46.00                                | 3000                               | 3620                               | 113            | 123    | 137       | 142    |
| 50                                       | Circular                     | 3.6                                  | 0.5                                   | 4x0.8                             | 1.88                                  | 46.00                                | 2555                               | 3395                               | 2.50                               | 2.04                                  | 49.50                                | 3690                               | 4530                               | 132            | 147    | 167       | 177    |
| 70                                       | Circular                     | 3.6                                  | 0.5                                   | 4x0.8                             | 1.88                                  | 49.00                                | 2960                               | 4175                               | 2.50                               | 2.04                                  | 53.00                                | 4160                               | 5375                               | 162            | 183    | 202       | 217    |
| 95                                       | Circular                     | 3.6                                  | 0.6                                   | 4x0.8                             | 2.04                                  | 53.50                                | 3510                               | 5195                               | 2.50                               | 2.20                                  | 57.00                                | 4830                               | 6515                               | 193            | 223    | 237       | 257    |
| 120                                      | Circular                     | 3.6                                  | 0.6                                   | 4x0.8                             | 2.20                                  | 58.00                                | 4080                               | 6200                               | 2.50                               | 2.20                                  | 61.50                                | 5470                               | 7590                               | 219            | 256    | 262       | 292    |
| 150                                      | Circular                     | 3.6                                  | 0.6                                   | 4x0.8                             | 2.20                                  | 59.50                                | 4365                               | 6990                               | 2.50                               | 2.36                                  | 63.50                                | 5850                               | 8475                               | 245            | 292    | 302       | 337    |
| 185                                      | Circular                     | 3.6                                  | 0.7                                   | 4x0.8                             | 2.36                                  | 64.50                                | 5050                               | 8330                               | 3.15                               | 2.52                                  | 69.50                                | 7320                               | 10600                              | 276            | 332    | 332       | 372    |
| 240                                      | Circular                     | 3.6                                  | 0.7                                   | 4x0.8                             | 2.52                                  | 70.00                                | 5955                               | 10270                              | 3.15                               | 2.68                                  | 75.00                                | 8425                               | 12740                              | 319            | 392    | 387       | 442    |
| 300                                      | Circular                     | 3.6                                  | 0.7                                   | 4x0.8                             | 2.68                                  | 75.00                                | 6835                               | 12250                              | 3.15                               | 2.84                                  | 80.00                                | 9470                               | 14890                              | 360            | 452    | 442       | 507    |
| 400                                      | Circular                     | 3.6                                  | 0.7                                   | 4x0.8                             | 2.84                                  | 81.50                                | 8195                               | 15075                              | 4.00                               | 3.00                                  | 88.00                                | 12240                              | 19120                              | 410            | 527    | 517       | 602    |

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,  
Armoured Cable Conforming to IS 7098 Part-2/1985**

**Voltage Grade : 11 / 11 kV (UE)**

**WEIGHT & DIMENSIONS**

| Nominal Size of as per IS 8130/84 Sq.mm. | Form of Conductor Circular O | Nom. Thickness of XLPE Insulation mm | Min. Thickness of PVC Inner Sheath mm | Strip Armoured Cable              |                                       |                                      |                                    |                                    | Round Wire Armoured Cable          |                                       |                                      |                                    |                                    | CURRENT RATING  |              |                 |              |
|--|------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|--------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------|--------------------------------------|------------------------------------|------------------------------------|-----------------|--------------|-----------------|--------------|
|  |                              |                                      |                                       | Nom. Dimension G.I. Flat Strip mm | Min. Thickness of PVC Outer Sheath mm | Approx. Overall Diameter of Cable mm | Al. Approx. Weight of Cable Kg./Km | Cu. Approx. weight of Cable Kg./Km | Nom. Dimension of GI Round Wire mm | Min. Thickness of PVC Outer Sheath mm | Approx. Overall Diameter of Cable mm | Al. Approx. Weight of Cable Kg./Km | Cu. Approx. Weight of Cable Kg./Km | Aluminium       |              | Copper          |              |
|  |                              |                                      |                                       |                                   |                                       |                                      |                                    |                                    |                                    |                                       |                                      |                                    |                                    | In ground Amps. | In air Amps. | In ground Amps. | In air Amps. |
| 35                                       | Circular                     | 5.5                                  | 0.5                                   | 4x0.8                             | 2.04                                  | 52.00                                | 3115                               | 3735                               | 2.50                               | 1.88                                  | 55.50                                | 4385                               | 5005                               | 116             | 126          | 140             | 145          |
| 50                                       | Circular                     | 5.5                                  | 0.6                                   | 4x0.8                             | 2.20                                  | 55.00                                | 3400                               | 4240                               | 2.50                               | 2.04                                  | 58.00                                | 4720                               | 5555                               | 135             | 150          | 170             | 180          |
| 70                                       | Circular                     | 5.5                                  | 0.6                                   | 4x0.8                             | 2.20                                  | 58.00                                | 3885                               | 5095                               | 3.15                               | 2.04                                  | 63.50                                | 5950                               | 7160                               | 165             | 186          | 205             | 220          |
| 95                                       | Circular                     | 5.5                                  | 0.6                                   | 4x0.8                             | 2.36                                  | 62.50                                | 4475                               | 6155                               | 3.15                               | 2.20                                  | 67.50                                | 6645                               | 8330                               | 196             | 226          | 240             | 260          |
| 120                                      | Circular                     | 5.5                                  | 0.7                                   | 4x0.8                             | 2.36                                  | 67.00                                | 5085                               | 7205                               | 3.15                               | 2.20                                  | 72.00                                | 7480                               | 9605                               | 222             | 259          | 265             | 295          |
| 150                                      | Circular                     | 5.5                                  | 0.7                                   | 4x0.8                             | 2.52                                  | 69.00                                | 5435                               | 8060                               | 3.15                               | 2.40                                  | 74.00                                | 7870                               | 10495                              | 248             | 295          | 305             | 340          |
| 185                                      | Circular                     | 5.5                                  | 0.7                                   | 4x0.8                             | 2.68                                  | 73.00                                | 6160                               | 9435                               | 3.15                               | 2.52                                  | 78.00                                | 8760                               | 12040                              | 289             | 335          | 335             | 375          |
| 240                                      | Circular                     | 5.5                                  | 0.7                                   | 4x0.8                             | 2.84                                  | 79.00                                | 7135                               | 11450                              | 3.15                               | 2.68                                  | 84.00                                | 9940                               | 14255                              | 322             | 395          | 390             | 445          |
| 300                                      | Circular                     | 5.5                                  | 0.7                                   | 4x0.8                             | 3.00                                  | 83.50                                | 8080                               | 13495                              | 4.00                               | 2.84                                  | 90.00                                | 12135                              | 17550                              | 363             | 455          | 445             | 510          |
| 400                                      | Circular                     | 5.5                                  | 0.7                                   | 4x0.8                             | 3.00                                  | 90.00                                | 9455                               | 16335                              | 4.00                               | 3.00                                  | 96.50                                | 13885                              | 20765                              | 413             | 530          | 520             | 605          |

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,  
Armoured Cable Conforming to IS 7098 Part-2/1985**

**Voltage Grade : 12.7 / 22 kV (E)**

**WEIGHT & DIMENSIONS**

| Nominal Size of as per IS 8130/84 Sq.mm. | Form of Conductor Circular O | Nom. Thickness of XLPE Insulation mm | Min. Thickness of PVC Inner Sheath mm | Strip Armoured Cable              |                                       |                                      |                                    |                                    | Round Wire Armoured Cable          |                                       |                                      |                                    |                                    | CURRENT RATING |        |           |        |
|--|------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|--------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------|--------------------------------------|------------------------------------|------------------------------------|----------------|--------|-----------|--------|
|  |                              |                                      |                                       | Nom. Dimension G.I. Flat Strip mm | Min. Thickness of PVC Outer Sheath mm | Approx. Overall Diameter of Cable mm | Al. Approx. Weight of Cable Kg./Km | Cu. Approx. weight of Cable Kg./Km | Nom. Dimension of GI Round Wire mm | Min. Thickness of PVC Outer Sheath mm | Approx. Overall Diameter of Cable mm | Al. Approx. Weight of Cable Kg./Km | Cu. Approx. Weight of Cable Kg./Km | Aluminium      |        | Copper    |        |
|  |                              |                                      |                                       |                                   |                                       |                                      |                                    |                                    |                                    |                                       |                                      |                                    |                                    | In ground      | In air | In ground | In air |
|  |                              |                                      |                                       | Amps.                             | Amps.                                 | Amps.                                | Amps.                              |                                    |                                    |                                       |                                      |                                    |                                    |                |        |           |        |
| 35                                       | Circular                     | 6                                    | 0.6                                   | 4x0.8                             | 2.04                                  | 55.00                                | 3345                               | 3965                               | 2.50                               | 2.20                                  | 59.00                                | 4710                               | 5335                               | 120            | 130    | 144       | 149    |
| 50                                       | Circular                     | 6                                    | 0.6                                   | 4x0.8                             | 2.20                                  | 58.00                                | 3730                               | 4570                               | 2.50                               | 2.36                                  | 61.50                                | 5165                               | 6005                               | 139            | 154    | 174       | 184    |
| 70                                       | Circular                     | 6                                    | 0.6                                   | 4x0.8                             | 2.36                                  | 61.50                                | 4245                               | 5460                               | 2.50                               | 2.36                                  | 65.00                                | 5700                               | 6910                               | 169            | 190    | 209       | 224    |
| 95                                       | Circular                     | 6                                    | 0.7                                   | 4x0.8                             | 2.36                                  | 65.50                                | 4730                               | 6410                               | 3.15                               | 2.52                                  | 70.50                                | 7030                               | 8715                               | 200            | 230    | 244       | 264    |
| 120                                      | Circular                     | 6                                    | 0.7                                   | 4x0.8                             | 2.52                                  | 70.50                                | 5370                               | 7490                               | 3.15                               | 2.68                                  | 75.50                                | 7840                               | 9960                               | 226            | 263    | 269       | 299    |
| 150                                      | Circular                     | 6                                    | 0.7                                   | 4x0.8                             | 2.68                                  | 72.00                                | 5845                               | 8470                               | 3.15                               | 2.68                                  | 77.00                                | 8355                               | 10980                              | 252            | 299    | 309       | 344    |
| 185                                      | Circular                     | 6                                    | 0.7                                   | 4x0.8                             | 2.68                                  | 76.50                                | 6535                               | 9810                               | 3.15                               | 2.84                                  | 81.50                                | 9205                               | 12485                              | 283            | 339    | 339       | 379    |
| 240                                      | Circular                     | 6                                    | 0.7                                   | 4x0.8                             | 2.84                                  | 82.00                                | 7530                               | 11840                              | 4.00                               | 3.00                                  | 88.50                                | 11575                              | 15885                              | 326            | 399    | 394       | 449    |
| 300                                      | Circular                     | 6                                    | 0.7                                   | 4x0.8                             | 3.00                                  | 86.50                                | 8485                               | 13900                              | 4.00                               | 3.00                                  | 93.00                                | 12680                              | 18095                              | 367            | 459    | 449       | 514    |
| 400                                      | Circular                     | 6                                    | 0.7                                   | 4x0.8                             | 3.00                                  | 93.00                                | 9745                               | 16625                              | 4.00                               | 3.00                                  | 99.50                                | 14290                              | 21170                              | 417            | 534    | 524       | 609    |

**“KEI” Three Core Aluminium & Copper Conductor, XLPE Insulated,  
Armoured Cable Conforming to IS 7098 Part-2/1985**

**Voltage Grade : 19 / 33 kV (E)**

**WEIGHT & DIMENSIONS**

| Nominal Size of as per IS 8130/84 Sq.mm. | Form of Conductor Circular O | Nom. Thickness of XLPE Insulation mm | Min. Thickness of PVC Inner Sheath mm | Strip Armoured Cable              |                                       |                                      |                                    |                                    | Round Wire Armoured Cable          |                                       |                                      |                                    |                                    | CURRENT RATING |        |           |        |
|--|------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|--------------------------------------|------------------------------------|------------------------------------|------------------------------------|---------------------------------------|--------------------------------------|------------------------------------|------------------------------------|----------------|--------|-----------|--------|
|  |                              |                                      |                                       | Nom. Dimension G.I. Flat Strip mm | Min. Thickness of PVC Outer Sheath mm | Approx. Overall Diameter of Cable mm | Al. Approx. Weight of Cable Kg./Km | Cu. Approx. weight of Cable Kg./Km | Nom. Dimension of GI Round Wire mm | Min. Thickness of PVC Outer Sheath mm | Approx. Overall Diameter of Cable mm | Al. Approx. Weight of Cable Kg./Km | Cu. Approx. Weight of Cable Kg./Km | Aluminium      |        | Copper    |        |
|  |                              |                                      |                                       |                                   |                                       |                                      |                                    |                                    |                                    |                                       |                                      |                                    |                                    | In ground      | In air | In ground | In air |
|  |                              |                                      |                                       | Amps.                             | Amps.                                 | Amps.                                | Amps.                              |                                    |                                    |                                       |                                      |                                    |                                    |                |        |           |        |
| 50                                       | Circular                     | 8.8                                  | 0.7                                   | 4x0.8                             | 2.52                                  | 72.00                                | 5355                               | 6195                               | 3.15                               | 2.68                                  | 77.00                                | 7920                               | 8760                               | 130            | 158    | 165       | 170    |
| 70                                       | Circular                     | 8.8                                  | 0.7                                   | 4x0.8                             | 2.68                                  | 76.00                                | 5980                               | 7195                               | 3.15                               | 2.84                                  | 81.00                                | 8655                               | 9865                               | 158            | 198    | 185       | 210    |
| 95                                       | Circular                     | 8.8                                  | 0.7                                   | 4x0.8                             | 2.84                                  | 80.00                                | 6520                               | 8205                               | 3.15                               | 3.00                                  | 85.00                                | 9325                               | 11010                              | 188            | 270    | 220       | 260    |
| 120                                      | Circular                     | 8.8                                  | 0.7                                   | 4x0.8                             | 2.84                                  | 84.50                                | 7230                               | 9355                               | 4.00                               | 3.00                                  | 91.00                                | 11415                              | 13540                              | 214            | 286    | 240       | 295    |
| 150                                      | Circular                     | 8.8                                  | 0.7                                   | 4x0.8                             | 3.00                                  | 86.00                                | 7760                               | 10385                              | 4.00                               | 3.00                                  | 92.50                                | 11960                              | 14585                              | 239            | 293    | 280       | 350    |
| 185                                      | Circular                     | 8.8                                  | 0.7                                   | 4x0.8                             | 3.00                                  | 90.50                                | 8540                               | 11815                              | 4.00                               | 3.00                                  | 96.50                                | 12945                              | 16220                              | 270            | 348    | 325       | 385    |
| 240                                      | Circular                     | 8.8                                  | 0.7                                   | 4x0.8                             | 3.00                                  | 95.50                                | 9555                               | 13865                              | 4.00                               | 3.00                                  | 102.00                               | 14260                              | 18575                              | 312            | 408    | 370       | 455    |
| 300                                      | Circular                     | 8.8                                  | 0.7                                   | 4x0.8                             | 3.00                                  | 100.00                               | 10555                              | 15975                              | 4.00                               | 3.00                                  | 106.50                               | 15450                              | 20865                              | 352            | 449    | 420       | 525    |
| 400                                      | Circular                     | 8.8                                  | 0.7                                   | 4x0.8                             | 3.00                                  | 106.50                               | 11905                              | 18785                              | 4.00                               | 3.00                                  | 113.00                               | 17075                              | 23955                              | 402            | 522    | 480       | 620    |