

## Medium Voltage Cables

3.6/6(7.2)kV Single-Core

XLPE Insulated, Unarmoured & Armoured, PVC Sheathed Cable

Description: CU/XLPE/CTS/PVC or CU/XLPE/CTS/PVC/AWA/PVC-AT or CU/XLPE/CTS/PVC/DATA/PVC-AT



|                        |                                                                                                                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application :          | This is an electric power distribution network cable typically used as primary supply to commercial, industrial and urban residential networks                                                                                                                                                                      |
| Voltage rating :       | 3.6/6(7.2)kV, 3.8/6.6(7.2)kV                                                                                                                                                                                                                                                                                        |
| Construction :         | Circular compacted stranded copper conductor, cross linked semi-conducting compound, XLPE insulated, cross linked semi-conducting compound bonded or strippable screened, plain annealed copper tape screen, aluminium wires or double aluminium tape armoured and extruded PVC or anti-termite PVC compound sheath |
| Specification :        | IEC60502-2, BS6622                                                                                                                                                                                                                                                                                                  |
| Operating temperature: | 90°C                                                                                                                                                                                                                                                                                                                |

| Conductor          |               | Insulation | Unarmoured      |                       |                | AWA Armoured    |                       |                | DATA Armoured   |                       |                |
|--------------------|---------------|------------|-----------------|-----------------------|----------------|-----------------|-----------------------|----------------|-----------------|-----------------------|----------------|
| Nominal Area       | Approx. Diam. | Thickness  | Part No.        | Approx. Overall Diam. | Approx. Weight | Part No.        | Approx. Overall Diam. | Approx. Weight | Part No.        | Approx. Overall Diam. | Approx. Weight |
| (mm <sup>2</sup> ) | (mm)          | (mm)       |                 | (mm)                  | (kg/km)        |                 | (mm)                  | (kg/km)        |                 | (mm)                  | (kg/km)        |
| 25                 | 6.0           | 2.5        | <b>13019015</b> | 19.7                  | 610.0          | <b>13019016</b> | 25.6                  | 985.0          | <b>13019017</b> | 24.4                  | 870.0          |
| 35                 | 7.0           | 2.5        | <b>14019015</b> | 20.7                  | 725.0          | <b>14019016</b> | 26.6                  | 1125.0         | <b>14019017</b> | 25.4                  | 1000.0         |
| 50                 | 8.4           | 2.5        | <b>15019015</b> | 22.1                  | 875.0          | <b>15019016</b> | 27.9                  | 1275.0         | <b>15019017</b> | 26.8                  | 1160.0         |
| 70                 | 10.0          | 2.5        | <b>16019015</b> | 23.7                  | 1095.0         | <b>16019016</b> | 29.6                  | 1535.0         | <b>16019017</b> | 28.4                  | 1410.0         |
| 95                 | 11.6          | 2.5        | <b>17019015</b> | 25.3                  | 1375.0         | <b>17019016</b> | 31.5                  | 1850.0         | <b>17019017</b> | 30.1                  | 1705.0         |
| 120                | 13.0          | 2.5        | <b>18019015</b> | 26.8                  | 1625.0         | <b>18019016</b> | 32.8                  | 2130.0         | <b>18019017</b> | 31.5                  | 1985.0         |
| 150                | 14.6          | 2.5        | <b>19019015</b> | 28.4                  | 1920.0         | <b>19019016</b> | 34.7                  | 2465.0         | <b>19019017</b> | 33.3                  | 2300.0         |
| 185                | 16.2          | 2.5        | <b>20019015</b> | 30.0                  | 2285.0         | <b>20019016</b> | 37.3                  | 2980.0         | <b>20019017</b> | 35.2                  | 2700.0         |
| 240                | 18.4          | 2.6        | <b>21019015</b> | 32.6                  | 2885.0         | <b>21019016</b> | 39.7                  | 3610.0         | <b>21019017</b> | 37.8                  | 3335.0         |
| 300                | 20.6          | 2.8        | <b>22019015</b> | 35.5                  | 3540.0         | <b>22019016</b> | 42.5                  | 4310.0         | <b>22019017</b> | 40.6                  | 4020.0         |
| 400                | 23.8          | 3.0        | <b>23019015</b> | 39.4                  | 4430.0         | <b>23019016</b> | 46.6                  | 5285.0         | <b>23019017</b> | 44.5                  | 4950.0         |
| 500                | 26.6          | 3.2        | <b>24019015</b> | 42.8                  | 5520.0         | <b>24019016</b> | 51.3                  | 6655.0         | <b>24019017</b> | 48.1                  | 6125.0         |
| 630                | 29.9          | 3.2        | <b>25019015</b> | 46.4                  | 6940.0         | <b>25019016</b> | 55.1                  | 8180.0         | <b>25019017</b> | 51.9                  | 7605.0         |
| 800                | 34.1          | 3.2        | <b>26019015</b> | 51.0                  | 8550.0         | <b>26019016</b> | 59.6                  | 9860.0         | <b>26019017</b> | 56.4                  | 9250.0         |
| 1000               | 37.8          | 3.2        | <b>27019015</b> | 55.0                  | 10645.0        | <b>27019016</b> | 64.0                  | 12115.0        | <b>27019017</b> | 60.7                  | 11455.0        |

\*MDPE, LSZH sheath is available if required.