



S.M.C

Four Core Cables Al/XLPE/PVC/SWA/ PVC & Al/XLPE/SWA/PVC

600/1000 V –

Four core Aluminum Conductor XLPE Insulated steel wire armored PVC sheathed cables



| Nominal Area of Conductor | Maximum Conductor Resistance at 20°C | Thickness of Insulation | Thickness of Bedding | | Diameter of Armor Wire | Thickness of Outer Sheath | Approx. Overall Diameter | | Approx. Cable | | Standard Packing Length | Drum size | Approx. Gross Weight | |
|---------------------------|--------------------------------------|-------------------------|----------------------|----------------|------------------------|---------------------------|--------------------------|----------------|------------------|----------------|-------------------------|-----------|----------------------|----------------|
| | | | Extruded Bedding | Lapped Bedding | | | Extruded Bedding | Lapped Bedding | Extruded Bedding | Lapped Bedding | | | Extruded Bedding | Lapped Bedding |
| Sqmm | Ohm Km | mm | mm | | mm | mm | mm | | Kg/Km | | Meter ± 5% | | kg | |
| 25 | 1.20 | 0.9 | 1.0 | 0.8 | 1.6 | 1.8 | 26.6 | 25.5 | 1270 | 1170 | 500 | D-12 | 745 | 695 |
| 35 | 0.868 | 0.9 | 1.0 | 0.8 | 1.6 | 1.9 | 29.9 | 28.8 | 1540 | 1410 | 500 | D-12 | 880 | 815 |
| 50 | 0.641 | 1.0 | 1.0 | 0.8 | 1.6 | 2.0 | 33.3 | 32.2 | 1840 | 1720 | 500 | D-16 | 1130 | 1070 |
| 70 | 0.443 | 1.1 | 1.2 | 0.8 | 2.0 | 2.2 | 38.3 | 36.8 | 2570 | 2390 | 500 | D-18 | 1530 | 1440 |
| 95 | 0.320 | 1.1 | 1.2 | 0.8 | 2.0 | 2.3 | 42.3 | 40.8 | 3090 | 2860 | 500 | D-18 | 1790 | 1670 |
| 120 | 0.253 | 1.2 | 1.4 | 0.8 | 2.5 | 2.5 | 47.5 | 45.6 | 4060 | 3750 | 500 | D-19 | 2350 | 2200 |
| 150 | 0.206 | 1.4 | 1.4 | 0.8 | 2.5 | 2.6 | 50.6 | 48.7 | 4630 | 4300 | 500 | D-19 | 2640 | 2470 |
| 185 | 0.164 | 1.6 | 1.4 | 0.8 | 2.5 | 2.8 | 56.6 | 55.2 | 5490 | 5170 | 250 | D-18 | 1610 | 1530 |
| 240 | 0.125 | 1.7 | 1.6 | 0.8 | 2.5 | 3.0 | 63.0 | 60.7 | 6650 | 6200 | 250 | D-18 | 1900 | 1790 |
| 300 | 0.100 | 1.8 | 1.6 | 0.8 | 2.5 | 3.2 | 68.6 | 66.3 | 7830 | 7300 | 250 | D-19 | 2280 | 2150 |
| 400 | 0.0778 | 2.0 | 1.8 | 0.8 | 3.15 | 3.5 | 77.7 | 75.0 | 10310 | 9660 | 200 | D-19 | 2380 | 2250 |
| 500 | 0.0605 | 2.2 | 1.8 | 0.8 | 3.15 | 3.8 | 86.8 | 84.1 | 12350 | 1162 | 200 | D-21 | 2890 | 2740 |

All conductors shaped stranded (Class 2).

Cables conform to IEC 60502 - 1.

Drum size given above are for cables with extruded bedding.