



S.M.C

Three Core Cables Cu/XLPE/PVC/SWA/PVC& Cu/XLPE/SWA/PVC

600/1000 V – THREE CORE Copper Conductor XLPE Insulated Steel Wire Armored PVC Sheathed Cables (Cu/XLPE/PVC/SWA/PVC and Cu/XLPE/SWA/PVC)



| 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 Weight | | 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/ K m | mm | mm | | mm | mm | mm | | Kg/Km | | Meter ±5% | | KG | |
| 1.5* | 12.1 | 0.7 | 1.0 | - | 0.9 | 1.8 | 14.7 | - | 380 | - | 1000 | D-10 | 440 | - |
| 1.5 | 12.1 | 0.7 | 1.0 | - | 0.9 | 1.8 | 15.1 | - | 400 | - | 1000 | D-10 | 460 | - |
| 2.5* | 7.41 | 0.7 | 1.0 | - | 0.9 | 1.8 | 15.6 | - | 440 | - | 1000 | D-10 | 500 | - |
| 2.5 | 7.41 | 0.7 | 1.0 | - | 0.9 | 1.8 | 16.0 | - | 460 | - | 1000 | D-11 | 560 | - |
| 4 | 4.61 | 0.7 | 1.0 | - | 0.9 | 1.8 | 17.1 | - | 540 | - | 1000 | D-11 | 640 | - |
| 6 | 3.08 | 0.7 | 1.0 | - | 0.9 | 1.8 | 18.4 | - | 640 | - | 1000 | D-12 | 750 | - |
| 10 | 1.83 | 0.7 | 1.0 | - | 1.25 | 1.8 | 21.2 | - | 940 | - | 1000 | D-14 | 1090 | - |
| 16 | 1.15 | 0.7 | 1.0 | - | 1.25 | 1.8 | 23.4 | - | 1200 | - | 1000 | D-14 | 1350 | - |
| 25 | 0.727 | 0.9 | 1.0 | 0.8 | 1.6 | 1.8 | 24.5 | 23.4 | 1520 | 1445 | 500 | D-11 | 875 | 825 |
| 35 | 0.524 | 0.9 | 1.0 | 0.8 | 1.6 | 1.8 | 26.9 | 25.8 | 1910 | 1815 | 500 | D-12 | 1065 | 1020 |
| 50 | 0.387 | 1.0 | 1.0 | 0.8 | 1.6 | 1.9 | 30.3 | 29.2 | 2420 | 2275 | 500 | D-12 | 1360 | 1245 |
| 70 | 0.268 | 1.1 | 1.2 | 0.8 | 2.0 | 2.0 | 34.2 | 32.7 | 3300 | 3165 | 500 | D-16 | 1860 | 1795 |
| 95 | 0.193 | 1.1 | 1.2 | 0.8 | 2.0 | 2.2 | 38.4 | 36.9 | 4330 | 4075 | 500 | D-16 | 2410 | 2250 |
| 120 | 0.153 | 1.2 | 1.2 | 0.8 | 2.0 | 2.3 | 42.0 | 40.5 | 5190 | 4965 | 500 | D-18 | 2840 | 2725 |
| 150 | 0.124 | 1.4 | 1.4 | 0.8 | 2.5 | 2.5 | 46.8 | 44.9 | 6660 | 6330 | 500 | D-18 | 3560 | 3405 |
| 185 | 0.0991 | 1.6 | 1.4 | 0.8 | 2.5 | 2.6 | 51.2 | 49.3 | 7900 | 7550 | 250 | D-18 | 2220 | 2130 |
| 240 | 0.0754 | 1.7 | 1.6 | 0.8 | 2.5 | 2.8 | 57.7 | 55.4 | 9950 | 9490 | 250 | D-18 | 2730 | 2615 |
| 300 | 0.0601 | 1.8 | 1.6 | 0.8 | 2.5 | 3.0 | 62.4 | 60.1 | 12000 | 11495 | 250 | D-18 | 3240 | 3115 |



S.M.C

| | | | | | | | | | | | | | | |
|-----|--------|-----|-----|-----|------|-----|------|------|-------|-------|-----|------|------|------|
| 400 | 0.0470 | 2.0 | 1.6 | 0.8 | 2.5 | 3.2 | 69.8 | 67.5 | 15020 | 14345 | 200 | D-19 | 3325 | 3190 |
| 500 | 0.0366 | 2.2 | 1.8 | 0.8 | 3.15 | 3.5 | 76.9 | 76.1 | 18900 | 18320 | 200 | D-19 | 4100 | 3985 |

* Circular solid conductors (Class1).

Conductors including 16 Sqmm circular stranded (Class 2).

25 Sqmm and above shaped stranded conductors (Class 2).

Cables conform to IEC 60502-1.

Drum size given above are for cables with extruded bedding.