



N2XS2Y Medium Voltage Power Cable

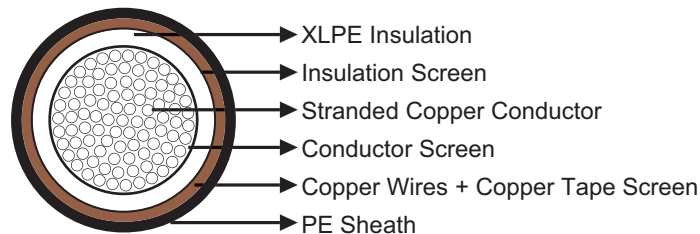
» Application

These cables are commonly used in wind parks, suitable for indoor installation and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations.

» Standards

IEC 60502
DIN VDE 0276 part 620
HD 620 S1

» Construction



Conductor: Stranded bare copper conductor according to HD 383.

Conductor Screen: Semiconducting compound.

Insulation: XLPE, PE-compound DIX8 to HD 620.1.

Insulation Screen: Semiconducting compound.

Tape: Conductive material.

Screen: Braiding of copper wires with one or two tapes applied helically.

Tape: Separation tape.

Sheath: PE, compound DMP2 to HD 620.1.

» Technical Data

| | |
|--------------------------------------|-----------------------------|
| Rated Voltage U ₀ /U (Um) | 6/10 kV, 12/20 kV, 18/30 kV |
| Operating Temperatures | -20°C~+90°C |



Power Cable

| | |
|---------------------------|-------|
| Minimum Bending Radius | 15×OD |
| Short-circuit Temperature | 250°C |

» Dimensions and Weight

6/10 kV

| Construction | Nominal Overall Diameter | Nominal Weight |
|------------------------------|--------------------------|----------------|
| No. of cores×mm ² | mm | kg/km |
| 1×35 rm/16 | 25.5 | 910 |
| 1×50 rm/16 | 26.5 | 990 |
| 1×70 rm/16 | 28.5 | 1205 |
| 1×95 rm/16 | 29.5 | 1520 |
| 1×120 rm/16 | 31.5 | 1760 |
| 1×150 rm/16 | 32.5 | 2020 |
| 1×150 rm/25 | 32.5 | 2130 |
| 1×185 rm/16 | 34.5 | 2360 |
| 1×185 rm/25 | 34.5 | 2470 |
| 1×240 rm/16 | 36.5 | 2960 |
| 1×240 rm/25 | 36.5 | 3020 |
| 1×300 rm/25 | 38.5 | 3630 |
| 1×400 rm/35 | 42.5 | 4560 |
| 1×500 rm/35 | 45.5 | 5580 |

12/20 kV

| Construction | Nominal Overall Diameter | Nominal Weight |
|------------------------------|--------------------------|----------------|
| No. of cores×mm ² | mm | kg/km |
| 1×35 rm/16 | 27.5 | 960 |
| 1×50 rm/16 | 28.5 | 1160 |
| 1×70 rm/16 | 30.5 | 1410 |
| 1×95 rm/16 | 31.5 | 1670 |
| 1×120 rm/16 | 33.5 | 1960 |
| 1×150 rm/16 | 34.5 | 2220 |
| 1×150 rm/25 | 34.5 | 2310 |
| 1×185 rm/16 | 36.5 | 2620 |
| 1×185 rm/25 | 36.5 | 2670 |
| 1×240 rm/16 | 39.0 | 3160 |
| 1×240 rm/25 | 39.0 | 3270 |
| 1×300 rm/25 | 41.0 | 3880 |
| 1×400 rm/35 | 44.5 | 4820 |
| 1×500 rm/35 | 47.5 | 5860 |



Caledonian Windmill Cables

Power Cable

18/30 kV

| Construction No. of cores×mm ² | Nominal Overall Diameter mm | Nominal Weight kg/km |
|--|--------------------------------|-------------------------|
| 1×50 rm/16 | 35.5 | 1410 |
| 1×70 rm/16 | 37.5 | 1660 |
| 1×95 rm/16 | 38.5 | 1970 |
| 1×120 rm/16 | 40.5 | 2220 |
| 1×150 rm/25 | 41.5 | 2650 |
| 1×185 rm/25 | 43.5 | 2980 |
| 1×240 rm/25 | 45.5 | 3570 |
| 1×300 rm/25 | 48.5 | 4220 |
| 1×400 rm/25 | 51.5 | 5170 |
| 1×500 rm/25 | 54.5 | 6260 |

