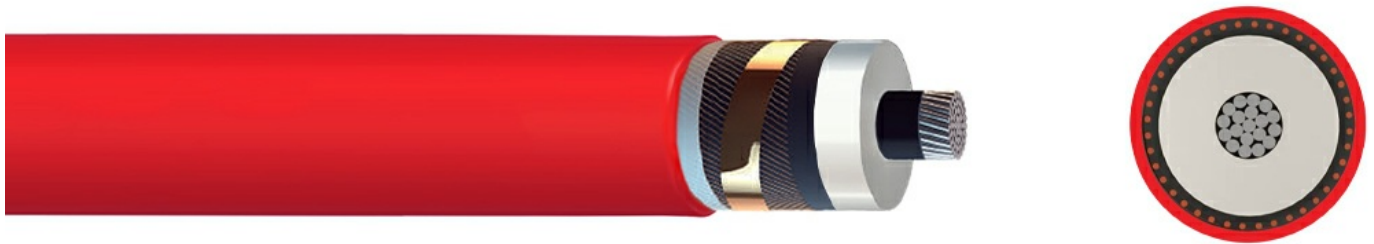


Energy Cable NA2XS(F)Y 1x500/35 CL-2 RM, Rated Voltage U₀/U: 3.6/6 kV



Description

Medium voltage cables are electrical cables designed to transmit electrical power at voltage levels ranging from 1kV up to 72kV. These cables are commonly used in industrial and commercial applications to connect power sources such as transformers, generators, and substations to loads such as motors, lighting systems, and other equipment. These cables consist of one or more conductors made of copper or aluminum, surrounded by layers of insulation and protective sheathing. The insulation material used can vary depending on the specific application and environmental factors such as temperature, moisture, and chemical exposure. Some common insulation materials include cross-linked polyethylene (XLPE), ethylene propylene rubber (EPR), etc.

Medium voltage cables can be designed for both underground and overhead installations, and may be armored or unarmored depending on the application requirements. Armored cables are typically used in applications where mechanical protection is required, while unarmored cables are used in less demanding applications.

Overall, medium voltage cables are critical components of modern electrical systems, providing a safe and reliable means of transmitting electrical power over long distances.

Standards

IEC 60502-2
 VDE 0276 / HD620
 IEC/EN 602228

Construction

Aluminum Conductor Compacted - Class 2
 Inner Semi Conductive Layer
 XLPE Insulation
 Outer Semi Conductive Layer
 Semi Conductive Tape
 Copper Wire and Tape Screen
 Water Blocking Tape
 PVC Sheath

The above design is only a sample of the options available, for reference purposes only. Our policy of continuous improvement may result in a change of specifications without notice. If any discrepancies might be between the data sheet values and standards, we reserve the rights to make technical changes. Our company will not be held responsible, as all or any of pictures, drawings, weights and dimensions details or other elements in this document are only indicative and must not be considered contractual. Contact our sales team for other specifications or custom made products.

Specifications

| | |
|---|--|
| Cable Type | Single Core |
| Cable Overall Diameter | 44,00 mm |
| Cable Weight | 2480,00 kg/km |
| Conductor Material | Aluminium |
| Conductor Cross-Section | 1x500/35 mm ² |
| Conductor Class | CL-2 |
| Conductor Type | RM |
| Insulation Material | XLPE |
| Insulation Thickness | 3,2 |
| Outersheath Material | PVC |
| Rated Voltage (Uo/U) | 3.6/6 kV |
| Max. Permissible Installation Temperature | -20 >> +70 °C |
| Operating Temperature | -40 >> +90 °C |
| Short Circuit Temperature | 250 °C |
| Minimum Bending Radius (Installing) | 15xD |
| Minimum Bending Radius (Operating) | 13xD |
| Packing | Wooden Drum, Plywood Drum, Coil, Rolls |
| Delivery Lengths | To be confirmed by offer |
| Delivery Length Tolerance | ±5% |

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