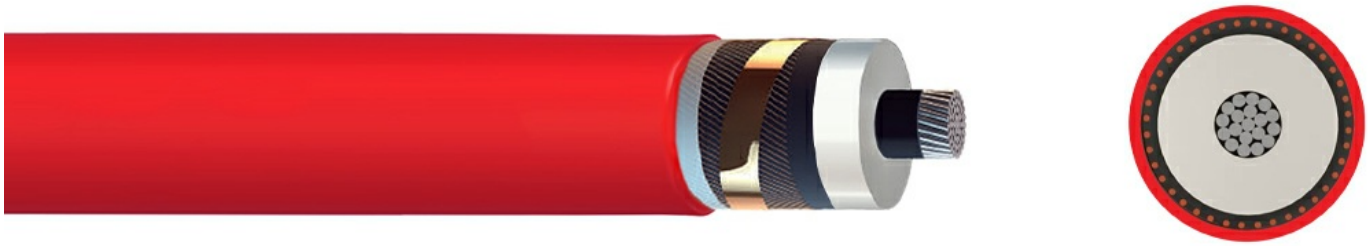
Energy Cable NA2XS(F)Y 1x50/16 CL-2 RM, Rated Voltage Uo/U: 3.6/6 kV



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

Specifications

Cable Type	
Cable Overall Diameter	mm
Cable Weight	kg/km
Conductor Material	
Conductor Cross-Section	mm^2
Conductor Class	
Conductor Type	
Insulation Material	
Insulation Thickness	
Outersheath Material	
Rated Voltage (Uo/U)	kV
Max. Permissible Installation Temperature	°C
Operating Temperature	°C
Short Circuit Temperature	°C
Minimum Bending Radius (Installing)	
Minimum Bending Radius (Operating)	
Packing	
Delivery Lengths	
Delivery Length Tolerance	