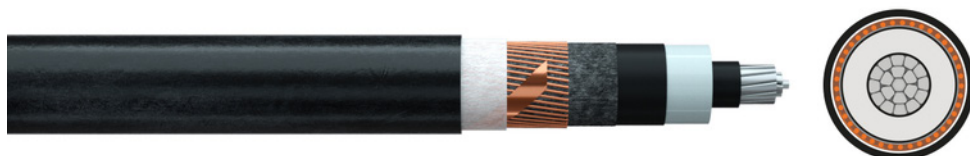


Medium voltage cable

NA2XS(F)2Yc (Skin layer)



Application: For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation. This cable is also suitable for unfavourable operating conditions, specifically where there is a need to avoid water penetration lengthwise following mechanical damage.

Construction and technical data:

| | |
|--|---|
| Standard: | VDE 0276-620 |
| Conductor material: | aluminium |
| Conductor construction: | Class 2 = stranded |
| Insulation: | XLPE DIX8 |
| Electrical field control: | inner and outer semiconducting layer (triple extrusion) |
| Screen: | Copper wires + counter helix |
| Sheathing material: | polyethylene + semiconducting skin layer |
| Longitudinally watertight: | yes |
| Colour of outer sheath: | black |
| Flame-retardant: | none |
| UV-resistant: | yes |
| For outdoor use: | yes |
| Max. temperature at conductor, °C: | 90 °C |
| Permitted outer cable temperature, fixed, °C: | 70 °C |
| Permitted outer cable temperature, moved, °C: | -20 - +70 °C |
| Bending radius, fixed installation: | 15 x Ø |
| Meter mark: | yes |
| Partial discharge: | 2 pC |



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

NA2XS(F)2Yc 12/20 kV (Skin layer)

| | |
|---|-------|
| Nominal voltage Uo: | 12 kV |
| Nominal voltage U: | 20 kV |
| Maximum permitted operating voltage in three-phase systems: | 24 kV |
| Test voltage: | 42 kV |

| part no. | part name | | RI [Ohm/km] | Wi [mm] | Ibl [A] | Ibe [A] | Ik [kA] | Wm [mm] | Rbv [mm] | Ø [mm] | Fzv [N] | Al | Cu | G [kg] |
|----------|--|-----|-------------|---------|---------|---------|---------|---------|----------|--------|---------|-----|-----|--------|
| 015629 | 01X150/25 12/20 kV BK with add. conductive layer | RMv | 0.206 | 5.5 | 366 | 319 | 14.1 | 2.1 | 527 | 35.1 | 4500 | 435 | 283 | 1300 |

| | |
|-----|--|
| RI | Conductor resistance |
| Wi | Insulation wall thickness |
| Ibl | Ampacity in air (30 °C) |
| Ibe | Ampacity in ground (20 °C) |
| Ik | Short-circuit current (1 s) |
| Wm | Wall thickness of sheath |
| Rbv | Bending radius, fixed installation |
| Ø | outer diameter approx. |
| Fzv | Tensile strength (during installation) |
| Al | Aluminium weight (GER) |
| Cu | Copper weight (GER) |
| G | net weight per 1000 |