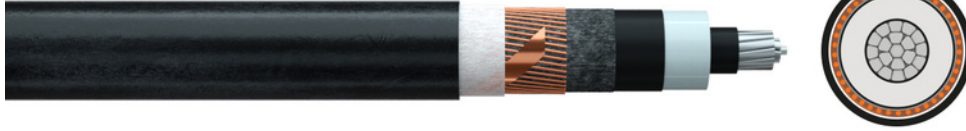


# Medium voltage cable

## 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:

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

<b>Nominal voltage U<sub>o</sub>:</b>	12 kV
<b>Nominal voltage U:</b>	20 kV
<b>Maximum permitted operating voltage in three-phase systems:</b>	24 kV
<b>Test voltage:</b>	42 kV

part no.	part name		RI [Ohm/km]	Wi [mm]	I <sub>bl</sub> [A]	I <sub>be</sub> [A]	I <sub>k</sub> [kA]	W <sub>m</sub> [mm]	R <sub>bv</sub> [mm]	Ø [mm]	F <sub>zv</sub> [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
I <sub>bl</sub>	Ampacity in air (30 °C)
I <sub>be</sub>	Ampacity in ground (20 °C)
I <sub>k</sub>	Short-circuit current (1 s)
W <sub>m</sub>	Wall thickness of sheath
R <sub>bv</sub>	Bending radius, fixed installation
Ø	outer diameter approx.
F <sub>zv</sub>	Tensile strength (during installation)
Al	Aluminium weight (GER)
Cu	Copper weight (GER)
G	net weight per 1000