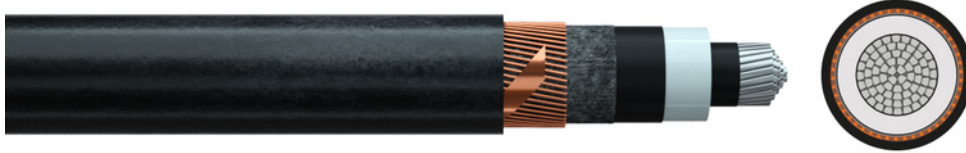


# Medium voltage cable (N)A2XSH



**Application:** For indoor installation and cable ducts for power plant, industrial and distribution networks.

## Construction and technical data:

<b>Standard:</b>	VDE 0276-622 (with ref. to)
<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>	FRNC-compound HM4
<b>Colour of outer sheath:</b>	black
<b>Flame-retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
<b>Smoke density:</b>	DIN EN 61034/IEC 61034
<b>Halogen-free:</b>	DIN EN 50267/IEC 60754
<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>	-5 - +70 °C
<b>Bending radius, fixed installation:</b>	15 x Ø
<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.*

(N)A2XSH 12/20 kV

**Nominal voltage U<sub>o</sub>:** 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		DI [mm]	RI [Ohm/km]	Wi [mm]	Ibl [A]	Ik [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	Fzv [N]	Al	Cu	G [kg]
015264	1X300/25	RMv	21.6	0.1	5.5	496	28.2	2.5	615	41	9000	870	283	2050

DI	diameter conductor
RI	Conductor resistance
Wi	Insulation wall thickness
Ibl	Ampacity in air (30 °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