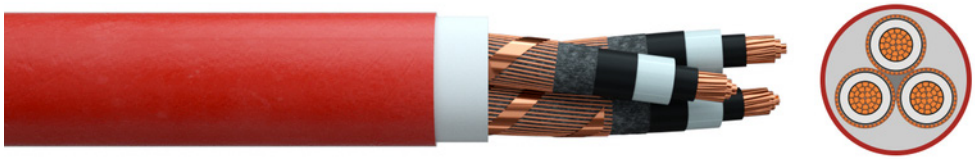
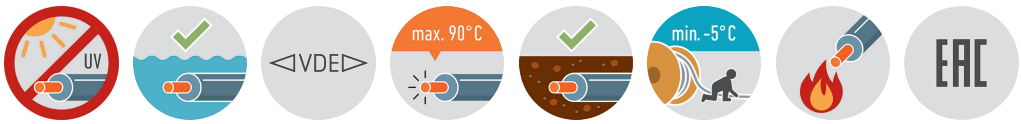
Medium voltage cable
N2XSEY



Application: For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The good installation properties of this cable allow an easy installation, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

Construction and technical data:

Standard:	VDE 0276-620
Conductor material:	copper, bare
Conductor construction:	Class 2 = stranded
Insulation:	XLPE DIX8
Electrical field control:	inner and outer semiconducting layer (triple extrusion)
Screen:	Copper wires + counter helix one each core
Sheathing material:	PVC DMV6
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
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:	-5 - +70 °C
Bending radius, fixed installation:	15 x Ø
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.

N2XSEY 6/10 kV

Nominal voltage Uo: 6 kV

Nominal voltage U: 10 kV

Maximum permitted operating voltage in three-phase systems: 12 kV

Test voltage: 21 kV

part no.	part name		Dl [mm]	Rl [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Wm [mm]	Rbv [mm]	Ø [mm]	Fzv [N]	Cu	G [kg]
011310	3X35/16	RM	7.5	0.524	3.4	178	187	5	2.1	735	49	5250	1209	3300
011311	3X50/16	RM	8.6	0.387	3.4	213	213	7.15	2.1	780	52	7500	1671	3900
011312	3X70/16	RM	10.2	0.268	3.4	265	261	10	2.1	825	55	10500	2247	4700
011313	3X95/16	RM	12	0.193	3.4	322	312	13.6	2.1	900	60	14250	2994	5850
011314	3X120/16	RM	13.5	0.153	3.4	370	355	17.2	2.1	960	64	18000	3714	6800
011315	3X150/25	RM	15	0.124	3.4	420	399	21.4	2.1	1005	67	22500	4638	7950
011316	3X185/25	RM	16.8	0.0991	3.4	481	451	26.5	2.1	1065	71	27750	5646	9300
011497	3X240/25	RM	19.2	0.0754	3.4	566	523	34.3	2.1	1155	77	36000	7272	11550
013316	3X300/25	RM	21.6	0.0601	3.4	648	590	42.9	2.1	1200	80	45000	9160	12200

Dl	diameter conductor
Rl	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)
Cu	Copper weight (GER)
G	net weight per 1000