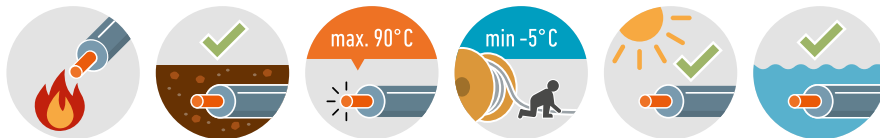


Power cable (N)2XRY, (N)2XRGY acc. to VDE 0271 (with reference to)



Conductor material:	copper, bare
Conductor class:	class 1 = solid
Insulation:	XLPE DIX3
Material inner sheath:	PVC
Armour:	round steel wire, galvanized
Sheathing material:	PVC DMV6
Colour outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Maximum permitted conductor temperature, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-30 - +70 °C
Permitted outer cable temperature, in motion/ during installation, °C:	-5 - +70 °C
Bending radius, fixed installation:	12 x DA
Nominal voltage U₀:	600 V
Nominal voltage U:	1 kV
Maximum permitted operating voltage in three-phase systems:	1,2 kV
Test voltage:	4 kV
Core identification:	colours acc. to VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers

Application: For installation in the ground, in water, outdoors, indoors and in cable ducts if greater mechanical protection is required.



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.

Table: Technical characteristics (N)2XRY-J 0.6/1 kV according to VDE, no FR

p/n	part name		R _l [Ω/km]	I _{bl} [A]	I _{be} [A]	R _{bv} [mm]	D _A [mm]	F _{ZV} [N]	Cu [kg/km]	G [kg/km]
012599	(N)2XRY-J 03X1,5 RE 0,6/1 kV SW in Anl. VDE 0271	RE	12,1	24	30	174	14,5	225	43,2	357
012475	(N)2XRY-J 03X2,5 RE 0,6/1 kV SW in Anl. VDE 0271	RE	7,41	32	39	174	14,5	375	72	470
012476	(N)2XRY-J 03X4 RE 0,6/1 kV SW in Anl. VDE 0271	RE	4,61	42	50	186	15,5	600	115,2	550
014827	(N)2XRY-J 03X10 RE 0,6/1 kV SW in Anl. VDE 0271	RE	1,83	73	84	216	18	1500	288	801
012477	(N)2XRY-J 04X2,5 RE 0,6/1 kV SW in Anl. VDE 0271	RE	7,41	32	39	181	15,1	500	96	525

p/n	part name		R_l [Ω /km]	I_{bl} [A]	I_{be} [A]	R_{bv} [mm]	D_A [mm]	F_{zv} [N]	Cu [kg/km]	G [kg/km]
012478	(N)2XRY-J 04X4 RE 0,6/1 kV SW in Anl. VDE 0271	RE	4,61	42	50	193	16,1	800	154	620
012479	(N)2XRY-J 04X6 RE 0,6/1 kV SW in Anl. VDE 0271	RE	3,08	52	53	229	19,1	1200	230,4	855
012480	(N)2XRY-J 04X10 RE 0,6/1 kV SW in Anl. VDE 0271	RE	1,83	73	84	253	21,1	2000	384	1095
012481	(N)2XRY-J 04X16 RE 0,6/1 kV SW in Anl. VDE 0271	RE	1,15	97	110	282	23,5	3200	614,4	1575
012600	(N)2XRY-J 05X1,5 RE 0,6/1 kV SW in Anl. VDE 0271	RE	12,1	24	30	182	15,2	375	72	364
012494	(N)2XRY-J 05X2,5 RE 0,6/1 kV SW in Anl. VDE 0271	RE	7,41	32	39	193	16,1	625	120	595
014828	(N)2XRY-J 05X4 RE 0,6/1 kV SW in Anl. VDE 0271	RE	4,61	42	50	206	17,2	1000	192	677
012601	(N)2XRY-J 05X6 RE 0,6/1 kV SW in Anl. VDE 0271	RE	3,08	52	53	222	18,5	1500	288	726
012602	(N)2XRY-J 05X16 RE 0,6/1 kV SW in Anl. VDE 0271	RE	1,15	97	110	286	23,8	4000	768	1335
012482	(N)2XRY-J 07X2,5 RE 0,6/1 kV SW in Anl. VDE 0271	RE	7,41	22	29	202	19,1	875	168	785
014829	(N)2XRY-J 08X2,5 RE 0,6/1 kV SW in Anl. VDE 0271	RE	7,41	19	25	216	18	1000	192	718
012483	(N)2XRY-J 12X2,5 RE 0,6/1 kV SW in Anl. VDE 0271	RE	7,41	16	21	282	23,5	1500	288	1250

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _{be}	Ampacity in ground (20 °C)
R _{bv}	Bending radius, fixed installation
DA	Outer diameter approx.
F _{zv}	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight