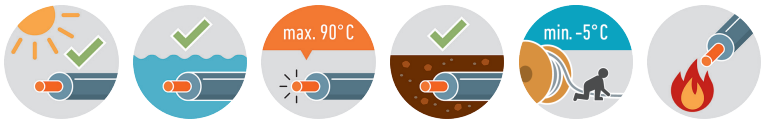
Power cable
(N)2XRY, (N)2XRGY

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

Construction and technical data:

Standard:	VDE 0271 (with reference to)
Conductor material:	copper, bare
Conductor construction:	Class 1 = solid
Insulation:	XLPE DIX3
Material inner sheath:	PVC
Armour:	round steel wire, galvanized
Sheathing material:	PVC DMV6
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-30 - +70 °C
Permitted outer cable temperature, moved, °C:	-5 - +70 °C
Bending radius, fixed installation:	12 x Ø



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)2XRY-J 0.6/1 kV according to VDE, no FR

Nominal voltage Uo:	0.6 kV
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

part no.	part name		Rl [Ohm/km]	Ibl [A]	Ibe [A]	Rbv [mm]	Ø [mm]	Fzv [N]	Cu	G [kg]
012599	03X1.5	RE	12.1	24	30	174	14.5	225	43.2	357
012475	03X2.5	RE	7.41	32	39	174	14.5	375	72	470
012476	03X4	RE	4.61	42	50	186	15.5	600	115.2	550
014827	03X10	RE	1.83	73	84	216	18	1500	288	801
012477	04X2.5	RE	7.41	32	39	181	15.1	500	96	525
012478	04X4	RE	4.61	42	50	193	16.1	800	154	620
012479	04X6	RE	3.08	52	53	229	19.1	1200	230.4	855
012480	04X10	RE	1.83	73	84	253	21.1	2000	384	1095
012481	04X16	RE	1.15	97	110	282	23.5	3200	614.4	1575
012600	05X1.5	RE	12.1	24	30	182	15.2	375	72	364
012494	05X2.5	RE	7.41	32	39	193	16.1	625	120	595
014828	05X4	RE	4.61	42	50	206	17.2	1000	192	677
012601	05X6	RE	3.08	52	53	222	18.5	1500	288	726
012602	05X16	RE	1.15	97	110	286	23.8	4000	768	1335
012482	07X2.5	RE	7.41	22	29	202	19.1	875	168	785
014829	08X2.5	RE	7.41	19	25	216	18	1000	192	718
012483	12X2.5	RE	7.41	16	21	282	23.5	1500	288	1250

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ibe	Ampacity in ground (20 °C)
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000