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Koppeltron

Power cable
NAYCWY

Application: For fixed installation indoors, outdoors, in the ground, in water and in conrete.

Construction and technical data:

CPR-classification according to EN 50575:	Eca
Standard:	VDE 0276-603
Conductor material:	aluminium
Insulation:	PVC DIV 4
Concentric conductor:	Cu
Sheathing material:	PVC DMV5
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:	70 °C
Permitted outer cable temperature, fixed, °C:	70 °C
Permitted outer cable temperature, moved, °C:	-5 - +70 °C
Meter mark:	yes

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.

NAYCWY

Nominal voltage Uo: 0.6 kV

Nominal voltage U: 1 kV

Maximum permitted operating voltage in three-phase systems: 1.2 kV

Nominal voltage DC (core-earth/core-core): 1,8/1,8 kV

Test voltage: 4 kV

Core identification: colours acc. to HD 308;
more than 5 cores: numbers

part no.	part name		Rl [Ohm/km]	Wi [mm]	Ibl [A]	Ibe [A]	Ik [kA]	Lb [mH/km]	Wm [mm]	Rbv [mm]	Ø [mm]	Fzv [N]	Al	Cu	G [kg]
090489	1X240/35 (with reference to)	RMv	0.125	2.2	374	358	18.2		3	459	30.6	7200	696	240	1517
090164	2X10/10 (with reference to)	RE	3.08	1	60	79	0.76		1.8	226	18.8	600	58	88	524
090165	2X16/16 (with reference to)	RE	1.91	1	80	102	1.21		1.8	247	20.6	960	93	93	649
090143	3X10/10 (with reference to)	RE	3.08	1	60	79	0.76		1.8	242	20.2	900	87	88	599
090239	3X25/16	RM	1.2	1.2	83	103	2.6		1.8	319	26.6	2250	218	125	1046
090206	3X50/50	SE	0.641	1.4	121	145	3.8		2	372	31	4500	435	340	1170
090240	3X50/25	SMv	0.641	1.4	121	145	3.8		2	353	29.4	4500	435	170	1283
090207	3X70/70	SE	0.443	1.4	155	180	5.32		2.1	432	36	6300	609	475	1670
090208	3X95/95	SE	0.32	1.6	189	216	7.22		2.3	492	41	8550	827	640	2230
090178	3X95/50	SMv	0.32	1.6	189	216	7.22		2.2	457	38.1	8550	827	340	2136
090209	3X120/120	SE	0.253	1.6	220	246	9.12		2.4	516	43	10800	1044	800	2670
090180	3X120/70	SMv	0.253	1.6	220	246	9.12		2.3	490	40.8	10800	1044	475	2612
090210	3X150/150	SE	0.206	1.8	249	276	11.4		2.6	564	47	13500	1305	475	3230
090241	3X150/70	SMv	0.206	1.8	249	276	11.4		2.6	539	44.9	13500	1305	475	3019
090500	3X185/95	SE	0.164	2	287	313	14.1		2.8	566	47.2	16650	1610	1055	3590
090211	3X185/185	SE	0.164	2	287	313	14.1		2.8	624	52	16650	1610	1230	4020
090279	3X185/95	SMv	0.164	2	287	313	14.1		2.8	598	49.8	16650	1610	640	3895
090501	3X240/120	SE	0.125	2.2	339	362	18.2		3	628	52.3	21600	2088	1330	4500
090212	3X240/240	SE	0.125	2.2	339	362	18.2		3	696	58	21600	2088	1585	5350
090571	4X16/16	RE	1.9	1	57	75	1.22	0.281	1.8	297	24.7	1920	186	125	843
090562	4x25/16	RE	1.2	1.2	83	103	0.76	0.28	1.9	312	28.4	3000	290	125	1115
090058	4X25/16	RM	1.2	1.2	83	103	1.9	0.28	1.8	312	26	3000	290	182	1150
090572	4X35/16	RE	0.869	1.2	101	123	2.66	0.271	1.8	371	30.9	4200	406	125	1335
090152	4X50/25	RE	0.641	1.4	121	145	3.8	0.27	2	396	33	6000	580	283	1600
090573	4X50/25	SE	0.641	1.4	121	145	3.8	0.27	2	389	32.4	6000	580	172	1550
090563	4x50/25	SMv	0.641	1.4	121	145	3.8	0.27	2	389	34.1	6000	580	170	1616
090574	4X70/35	SE	0.443	1.4	155	186	5.32	0.262	2.1	432	36	8400	812	240	1978
090564	4x70/35	SMv	0.443	1.4	155	186	5.32	0.262	2.1	432	33.7	8400	812	240	1641
090575	4X95/50	SE	0.32	1.6	189	216	7.22	0.261	2.3	500	41.6	11400	1102	340	2626
090565	4x95/50	SMv	0.32	1.6	189	216	7.22	0.261	2.3	500	43.8	11400	1102	340	2702
090576	4X120/70	SE	0.253	1.6	220	246	9.12	0.256	2.4	537	44.7	14400	1392	475	3136
090566	4x120/70	SMv	0.253	1.6	220	246	9.12	0.256	2.4	537	47.7	14400	1392	475	3333
090577	4X150/70	SE	0.206	1.8	249	276	11.4	0.256	2.6	590	49.1	18000	1740	475	3721
090567	4x150/70	SMv	0.206	1.8	249	276	11.4	0.256	2.6	590	52.6	18000	1740	475	3903
090578	4X185/95	SE	0.164	2	287	313	14.1	0.256	2.8	702	58.5	22200	2146	640	4252
090568	4x185/95	SMv	0.164	2	287	313	14.1	0.256	2.8	702	58.5	22200	2146	640	4916
090579	4X240/120	SE	0.125	2.2	339	362	18.2	0.254	3	720	59.9	28800	2784	800	5850
090569	4x240/120	SMv	0.125	2.2	339	362	18.2	0.254	3	720	64.4	28800	2784	800	6116
090570	4x300/150 (with reference to)	SMv	0.1	2.4	401	415	22.8		3.2	828	71.5	36000	3480	1000	7406

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)
Lb	Specific inductivity
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