

N2XH-J



Application

Halogen-free power cables with enhanced characteristics in case of fire are used for applications where harm to human life and damage to property must be prevented in the event of fire, e.g. in industrial installations, communal establishments, hotels, airports, underground stations, railway stations, hospitals department stores, banks, schools theaters, multi-storey buildings, process control centres etc. Suitable for fixed installation in dry, damp or wet environments, in, above, on and beneath plaster as well as in masonry walls and in concrete. These cables are suitable for outdoor applications (UV-resistant) and in underground by using in conduits or tubes.

Standards

DIN VDE 0276-604:2008-02,
DIN EN 50575 VDE 0482-575:2017-02,
HD 604 S1

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

Construction

Inner Conductor	bare copper conductor to DIN VDE 0295 cl. 1 or cl. 2, HD 383
Core Insulation	cross-linked polyethylene compound 2X11, to HD 604 S1
Core Color	acc. to HD 308 S2
Stranding Elements	cores stranded in layers
Inner Sheath Material	covered by filling compound or wrapped tape
Outer Insulation Material	halogen-free polymer HM4
Constant Against	UV resistant (upon request)

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Technical Data

Nominal Voltage	U ₀ /U: 600 /1000 V
Nominal Volatage DC	U ₀ /U: 0 /1800 V
Test Voltage	4000 V
Bending Radius fixed (xD)	0
Operating Temperature solid	-20 °C bis 90 °C
Operating Temperature moving	-5 °C bis 50 °C
Short Circuit Temperature	250 °C
Short Circuit Duration	5 sek.
Fire Classes	B2Ca

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Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.	Power Load Earth (A)	Power Load Air (A)
Prod. Nr.	Option	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.	Power Load Earth (A)	Power Load Air (A)
02202120	Jcca	1 x 4 re	black - black	68,0	6,0	54	44
02202126	Jcca	1 x 6 re	black - black	88,0	6,5	67	56
02202111	Jcca	1 x 10 re	black - black	129,0	7,3	89	77
02202024	Jcca	1 x 16 re	black - black	185,0	8,2	115	102
02202141	Jcca	1 x 16 rm	black - black	270,0	12,0	115	102
02202026	Jcca	1 x 25 rm	black - black	294,0	10,5	148	138
02202028	Jcca	1 x 35 rm	black - black	389,0	11,6	177	170
02202029	Jcca	1 x 50 rm	black - black	514,0	13,1	209	207
02202031	Jcca	1 x 70 rm	black - black	714,0	14,6	256	263
02202032	Jcca	1 x 95 rm	black - black	972,0	16,8	307	325
02202116	Jcca	1 x 120 rm	black - black	1.209,0	25,5	349	380
02202118	Jcca	1 x 150 rm	black - black	1.480,0	20,2	393	437
02202131	J-Cca	1 x 185 rm	black - black	1.845,0	22,5	445	507
02202158	J	1 x 240 rm	black - black	2.373,0	25,2	517	604
02202119	Jcca	1 x 300 rm	black - black	2.957,0	32,0	583	697
02202121	Occa	1 x 400 rm	black - black	3.799,0	33,0	0	0
02202122	Occa	1 x 500 rm	black - black	4.853,0	34,3	0	0
02202016	Jcca	3 x 1,5 re	black - black	132,0	9,1	0	24
02202043	J-Cca	3 x 2,5 re	black - black	172,0	10,0	0	32
02202044	Jcca	3 x 4 re	black - black	229,0	11,0	0	42
02202045	Jcca	3 x 6 re	black - black	299,0	12,0	0	53
02202046	Jcca	3 x 10 re	black - black	439,0	13,7	0	74
02202047	Jcca	3 x 16 re	black - black	642,0	15,9	0	98
10233084	JRM	3 x 16rm	black - black	642,0	15,9	0	98

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02202048	Jcca	3 x 25 rm	black - black	1.076,0	21,6	0	133
02202087	Jcca	3 x 25/16 rm	black - black	1.245,0	22,8	0	133
02202049	Jcca	3 x 35 sm	black - black	1.236,0	21,3	0	162
02202085	Jcca	3 x 35/16 rm	black - black	1.573,0	24,5	174	162
02202050	J	3 x 50 sm	black - black	1.632,0	23,8	0	197
02202056	Jcca	3 x 50/25 rm	black - black	2.143,0	28,7	206	197
02202051	J	3 x 70 sm	black - black	2.301,0	27,7	0	250
02202057	Jcca	3 x 70/35 sm	black - black	2.664,0	30,0	254	250
02202052	J	3 x 95 sm	black - black	3.089,0	30,8	0	308
02202058	Jcca	3 x 95/50 sm	black - black	3.583,0	33,6	305	308
02202014	Jcca	3 x 120/70 sm	black - black	4.537,0	36,8	348	359
02202059	Jcca	3 x 150/70 sm	black - black	5.460,0	41,4	392	412
02202060	Jcca	3 x 185/95 sm	black - black	6.842,0	54,4	444	475
02202009	Jcca	3 x 240/120 sm	black - black	8.869,0	51,2	0	564
02202077	J	4 x 1,5 re	black - black	155,0	9,9	31	24
02202078	Jcca	4 x 2,5 re	black - black	204,0	10,8	40	32
02202018	Jcca	4 x 4 re	black - black	275,0	11,9	52	42
02202003	Jcca	4 x 6 re	black - black	365,0	13,1	64	53
02202007	Jcca	4 x 10 re	black - black	550,0	15,2	86	74
02202102	J	4 x 10 rm	black - black	573,0	15,9	86	74
02202063	Jcca	4 x 16 re	black - black	798,0	17,4	112	98
02202171	J	4 x 16 rm	black - black	837,0	18,4	112	98
02202008	Jcca	4 x 25 rm	black - black	1.346,0	23,9	145	133
02202011	Jcca	4 x 35 sm	black - black	1.601,0	23,9	174	162

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02202012	Jcca	4 x 50 sm	black - black	2.124,0	26,9	206	197
02202013	Jccs	4 x 70 sm	black - black	3.009,0	31,4	254	250
02202064	Jcca	4 x 95 sm	black - black	4.051,0	35,0	305	308
02202065	Jcca	4 x 120 sm	black - black	5.060,0	38,9	348	359
02202066	Jcca	4 x 150 sm	black - black	6.215,0	43,0	392	412
02202035	Jcca	4 x 185 sm	black - black	7.710,0	47,4	444	475
02202156	Occa	4 x 240 sm	black - black	10.045,0	53,3	517	564
02202098	Jcca	4 x 240 sm	black - black	10.045,0	53,3	517	564
02202019	Jcca	5 x 1,5 re	black - black	182,0	10,7	31	24
02202067	Jcca	5 x 2,5 re	black - black	242,0	11,7	40	32
02202010	Jcca	5 x 4 re	black - black	329,0	12,9	52	42
02202015	Jcca	5 x 6 re	black - black	440,0	14,2	64	53
02202022	Jcca	5 x 10 re	black - black	666,0	16,6	86	74
02202103	Jcca	5 x 10 rm	black - black	694,0	21,0	86	74
02202020	Jcca	5 x 16 re	black - black	973,0	19,0	112	98
02202104	Jcca	5 x 16 rm	black - black	1.019,0	20,1	112	98
02202021	Jcca	5 x 25 rm	black - black	1.638,0	26,1	0	133
02202088	Jcca	5 x 35 rm	black - black	2.174,0	29,2	0	162
02202089	Jcca	5 x 50 rm	black - black	2.934,0	33,8	0	197
02202090	Jcca	5 x 70 rm	black - black	4.042,0	38,0	0	250
02202091	Jcca	5 x 95 rm	black - black	5.490,0	43,7	0	308
02202092	Jcca	5 x 120 rm	black - black	6.841,0	48,2	0	359
02202142	J	5 x 150 rm	black - black	8.406,0	53,4	0	412
02202143	J	5 x 185 rm	black - black	11.064,0	63,1	0	475

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02202124	J	5 x 240 rm	black - black	14.339,0	70,9	0	564
02202068	J	7 x 1,5 re	black - black	222,0	11,5	0	24
02202073	J	7 x 2,5 re	black - black	300,0	12,6	0	32
02202071	J	7 x 4 re	black - black	416,0	14,0	0	42
02202144	J	7 x 6 re	black - black	597,0	15,4	0	53
02202145	J	7 x 10 re	black - black	1.150,0	22,0	0	74
02202069	J	10 x 1,5 re	black - black	311,0	14,2	0	24
02202106	Jcca	10 x 2,5 re	black - black	550,0	17,0	0	32
02202006	Jcca	12 x 1,5 re	black - black	460,0	18,0	0	24
02202074	Jcca	12 x 2,5 re	black - black	600,0	19,0	0	32
02202070	J	14 x 1,5 re	black - black	540,0	20,0	0	24
02202076	Jcca	14 x 2,5 re	black - black	670,0	20,0	0	32
02202072	J	19 x 1,5 re	black - black	650,0	21,0	0	24
02202096	J	19 x 2,5 re	black - black	800,0	24,0	0	32
02202061	Jcca	24 x 1,5 re	black - black	760,0	22,0	0	24
02202075	J	24 x 2,5 re	black - black	1.050,0	25,0	0	32
02202100	Jcca	30 x 1,5 re	black - black	730,0	22,6	0	24