N2XH-O



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 masonary 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 2XI1, to HD 604 S1
Core Color	acc. to HD 308 S2
Stranding Elements	cores stranded in layers
Inner Sheath Material	overed by filling compound or wrapped tape
Outer Insulation Material	halogen-free polymer HM4
Constant Against	UV resistant (upon request)

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Energiekabel 1kV
Power Cables 1kV

Technical Data

Nominal Voltage	U_0/U: 600 /1000 V
Nominal Volatage DC	U_0/U: 900 /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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Power Cables 1kV

Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.	Power Load Air (A) Power Load Air (A)
02202108	O	1 x 1,5 re	black - black	40,0	5,2	0
02202125	O	1 x 2,5 re	black - black	51,0	5,5	0
10233175		1 x 4 re	black - black	68,0	6,0	44
10233176		1 x 6 re	black - black	88,0	6,5	56
10233177		1 x 10 re	black - black	129,0	7,3	77
10233182		1 x 16 re	black - black	185,0	8,2	102
10233183		1 x 16 rm	black - black	270,0	12,0	102
10233184		1 x 25 rm	black - black	294,0	10,5	138
10233185		1 x 35 rm	black - black	389,0	11,6	170
02202153		1 x 50 rm	black - black	514,0	13,1	207
10233186		1 x 70 rm	black - black	714,0	14,6	263
02202030	Occa	1 x 70 rm	black - black	714,0	14,6	263
10233187		1 x 95 rm	black - black	972,0	16,8	325
10233188		1 x 120 rm	black - black	1.209,0	25,5	380
10233189		1 x 150 rm	black - black	1.480,0	20,2	437
10207006	O	1 x 185 rm	black - black	1.845,0	27,0	507
02202002		1 x 240 rm	black - black	2.373,0	32,0	604
10233190		1 x 300 rm	black - black	2.957,0	32,0	697
10233092	O	1 x 400 rm	black - black	3.799,0	33,0	0
10233090	O	1 x 500 rm	black - black	4.853,0	34,3	0
02202037		2 x 1,5 re	black - black	116,0	8,7	24
10233178		2 x 2,5 re	black - black	148,0	9,5	32
02202039	O	2 x 4 re	black - black	192,0	10,4	42
10233179		2 x 6 re	black - black	247,0	11,4	53

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Power Cables 1kV

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10233180	Fca	2 x 10 re	black - black	354,0	13,0	74
10233181		2 x 16 re	black - black	509,0	15,0	98
02202109	O	2 x 25 rm	black - black	861,0	20,4	138

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