NSHXAFÖ 1,8/3 kV



Application

Particularly suitable for protection against short circuits in laying and for inherently earth-fault-proof routing in rail vehicles and omnibuses. Also suitable for laying in dry environments. In switching units and distributors, they are considered to be short circuit and inherently earth proof to 1000 V.

Note: Considered as being short-circuit safe and inherently earth-faultproof are those operating materials and conducting assemblies where because of suitable measures and/or means applied, neither a short circuit nor a short to ground is to be expected under operating conditions which are in accordance with those specified for the intended application.

For use in direct current operation (DC) : Uo/U: 2.7/5.4 kV
Conductivity ≤ 100µS/cm

Standards

Special rubber core cable acc. to DIN VDE 0250 part 606

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

Construction

Inner Conductor	fine-stranded bare copper acc. DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
Core Insulation	EPR-insulation, 3GI3 acc. to DIN VDE 0207 part 20
Outer Insulation Material	halogen-free, polymer GM3 acc. to DIN VDE 0207 part 24
Constant	oil resistant acc. to DIN VDE 0473 part 811-2-1
Against	UV- , sunlight- and ozon resistant

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Technical Data

Nominal Voltage	U_0/U: 1800 /3000 V
Nominal Volatage DC	U_0/U: 2700 /5400 V
Test Voltage	6000 V
Bending Radius moved (xD)	10
Bending Radius fixed (xD)	6
Operating Temperature solid	-40 °C bis 90 °C
Operating Temperature moving	-25 °C bis 90 °C
Fire Classes	Eca

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Aderleitungen
Insulated Wires

Prod. Nr. Prod. Nr.	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)
01914006	1 x 1,5	black - black	48,0	5,7	30
01914001	1 x 2,5	black - black	60,0	6,2	41
01914002	1 x 4	black - black	78,0	6,8	55
01914012	1 x 6	black - black	100,0	7,3	70
01914003	1 x 10	black - black	150,0	8,7	98
01914005	1 x 16	black - black	216,0	10,1	132
01914013	1 x 25	black - black	328,0	12,3	176
01914011	1 x 35	black - black	425,0	13,3	218
01914004	1 x 50	black - black	573,0	15,0	276
01914008	1 x 70	black - black	770,0	16,8	347
01914009	1 x 95	black - black	1.019,0	19,7	416
01914015	1 x 120	black - black	1.251,0	20,8	488
01914007	1 x 150	black - black	1.547,0	23,0	566
01914014	1 x 185	black - black	1.872,0	25,7	644
01914016	1 x 240	black - black	2.398,0	27,6	775
01914017	1 x 300	black - black	2.982,0	31,6	898
01914020	1 x 400	black - black	3.847,0	34,5	1060
01914019	1 x 500	black - black	4.853,0	39,7	1250

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