

NSHXAFÖ 3kV halogen-free Special Rubber-Insulated Cable, VDE approved, short-circuit up to 1000V



Technical data

- Special rubber core cable acc. to E DIN VDE 0250 Teil 606
- **Temperature range**
flexing -5°C to +80°C
fixed installation -25°C to +80°C
- Permissible **operating temperature** at conductor +90°C
- **Nominal voltage** U_0/U 1,8/3 kV
- Highest permissible **operating voltage** in three-phase and one-phase a.c. systems U_0/U 2,1/3,6 kV
in d.c. systems U_0/U 2,7/5,4 kV
- **Test voltage** 6 kV
- **Minimum bending radius**
flexing 10x cable \emptyset
fixed 6x cable \emptyset

Cable construction

- Tinned copper conductor, fine wire to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and/or IEC 60228 cl. 5
- EPR-insulation, 3GI3 acc. to DIN VDE 0207 part 20
- Halogen-free, polymer sheath GM3 acc. to DIN VDE 0207 part 24
- Colour black

Properties

Tests

- Corrosiveness of corrosive gases acc. to DIN VDE 0482, part 267/ EN 50267-2-2/ IEC 607542 (as per DIN VDE 0472, part 813)
- Smoke density acc. to DIN VDE 0482, part 268 HD 606, EN 50268-1+2/ IEC 61034-1+2, BS 7622 part 1+2 (as per DIN VDE 0472, part 816)
- Oil resistant acc. to DIN VDE 0472 part 803, test method A
- Behaviour in fire: Test acc. to DIN VDE 0482, part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (as per DIN VDE 0472, part 804 test method B)

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-fault-proof 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.

Part No.	No. cores x cross-sec. mm ²	Outer \emptyset max. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
38517	1 x 1,5	7,0	14,4	62,0	16
38518	1 x 2,5	7,5	24,0	76,0	14
38519	1 x 4	9,0	38,0	95,0	12
38520	1 x 6	9,5	58,0	140,0	10
38521	1 x 10	11,0	96,0	190,0	8
38522	1 x 16	13,0	154,0	270,0	6
38523	1 x 25	15,0	240,0	410,0	4
38524	1 x 35	16,5	336,0	490,0	2

Part No.	No. cores x cross-sec. mm ²	Outer \emptyset max. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
38525	1 x 50	18,0	480,0	650,0	1
38526	1 x 70	20,5	672,0	900,0	4
38527	1 x 95	24,0	912,0	1200,0	3/0
38528	1 x 120	26,0	1152,0	1450,0	4/0
38529	1 x 150	28,0	1440,0	1800,0	300 kcmil
38530	1 x 185	31,0	1776,0	2200,0	350 kcmil
38531	1 x 240	34,5	2304,0	2650,0	500 kcmil
38532	1 x 300	38,0	2880,0	3250,0	600 kcmil

Dimensions and specifications may be changed without prior notice.