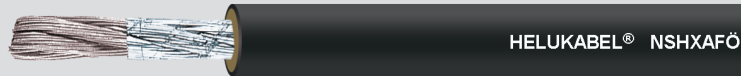


NSHXAFÖ 3 kV

halogen-free Special Rubber-Insulated Cable, short circuit up to 1000 V



Technical data

- Special rubber core cable acc. to E DIN VDE 0250-606
- **Temperature range**
flexing -25°C to +70°C
fixed installation -40°C to +90°C
- Permissible conductor **operating temperature** +90°C
- **Nominal voltage**
U₀/U 1,8/3 kV
- Max. permissible **operating voltage**
- 3-Phase and single phase operation 2,1/3,6 kV
- DC operation 2,7/5,4 kV
- **Test voltage**
6 kV
- **Minimum bending radius**
flexing 10x outer Ø
fixed installation 6x outer Ø

Cable structure

- Tinned copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- EPR-insulation, compound type 3GI3 acc. to DIN VDE 0207-20
- Outer casing:
halogen-free polymer compound HM3 acc. to DIN VDE 0207-24
- Colour: black

Properties

Tests

- Corrosiveness of combustion gases acc. to DIN VDE 0482-754-2 / DIN EN 60754-2 / IEC 60754-2
- Smoke density acc. to DIN VDE 0482-1034-1+2 / DIN EN 61034-1+2 / IEC 61034-1+2
- Oil resistant acc. to DIN VDE 0473-811-404/DIN EN 60811-404
- Behaviour in fire acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

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.
- The conductor is metrically constructed (mm²). The AWG designation is approximate and purely informative.

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. For laying in tubes, closed installation ducts, device wiring, for connecting flexing parts, bundled. Not for usage on cable ladders and cable trays.

Part no.	No. cores x cross-sec. mm ²	Outer Ø max. mm	Cop. weight kg / km	Weight app. 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 Ø max. mm	Cop. weight kg / km	Weight app. 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	2/0
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. (RK01)