

NSHXAFÖ 1,8/3 kV 3,6/6 (on request)

Halogen-free, flame retardant cables with rubber insulation



Cable structure

- Stranded, bare or tinned copper core according to DIN VDE 0295 and IEC 60228 cl. 5
- Core insulation of EPR
- Sheath of halogen-free, polymer compound, black

Technical data

- Single-core cable with rubber insulation according to DIN VDE 0250 part 606
- **Temperature range:** fixed from -40 °C to +80 °C
flexing from -25 °C to +80 °C
Max. permitted temperature at conductor +90 °C
- **Nominal voltage** U_0/U 1,8/3 kV
- **Test voltage a.c.** 6000 V
- **Minimum bending radius** approx. 6× cable diameter

Tests

- Self-extinguishing and flame resistant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1
- Low corrosiveness of combustion gases to DIN VDE 0482 part 267/BS 6425 PT2/EN 50267-2-2/IEC 60754-2

Application

Halogen-free, single-core cables are used for installations in dry areas, applications in switching boards, and all areas with required resistance to fire as well as good mechanical characteristics. These cables are suitable for installations in wagons, trams and trolley buses. These cables are also used as short circuit cables.

Note

Conforms to RoHS.

Part No.	core cross-section [mm ²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]	Current carrying capacity [A] in air [30 °C]
0553250	1,5	7,0	14,4	60	30
0553251	2,5	7,5	24	70	41
0553252	4	9,0	38	90	55
0553253	6	9,5	58	120	70
0553254	10	11,0	96	180	98
0553255	16	13,0	154	250	132
0553256	25	15,0	240	390	176
0553257	35	16,5	336	470	218

Part No.	core cross-section [mm ²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]	Current carrying capacity [A] in air [30 °C]
0553258	50	18,0	480	625	276
0553259	70	20,5	672	880	347
0553260	95	24,0	912	1190	416
0553261	120	26,0	1152	1430	488
0553262	150	28,0	1440	1750	566
0553263	185	31,0	1776	2160	644
0553264	240	34,5	2304	2718	775
0553265	300	38,0	2890	3470	898