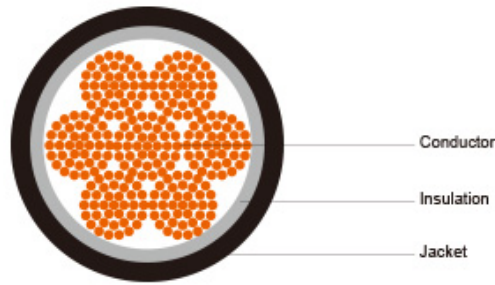


NSGAFOEU/NSHXAFEO Medium-Voltage Single Core Cables



Applications	These cables are designed for fixed installation in track-bound vehicles and buses, in pipes and closed installation ducts, as well as for the connection of mobile parts. 3 kV-rated cables can be used in low-voltage switch boards to ensure inherently short-circuit and earth-fault proof connections.
Standards	DIN VDE 0250 Part 602 (for NSGAFOEU/NSGAFCMOEU) DIN VDE 0250 Part 606 (for halogen free version NSHXAFEO/NSHXAFMOE)
Construction	
Conductors	Stranded tinned copper conductor, class 5 according to DIN VDE 0295/IEC 60228.
Inner Conductor Layer (for 6kV)	Semi-conducting layer.
Insulation	EPR compound type 3GI3/3GJ3.
Optional Screen (for NSGAFCMOEU/NSHXAFMOE)	Tinned copper wires.
Outer Sheath	Chlorinated rubber type 5GM3, oil resistant and flame retardant (for NSGAFOEU/NSGAFCMOEU). Halogen-free polymer compound HM3, oil-resistant, flame retardant, low smoke (for NSHXAFEO//NSHXAFEO).

Dimensions and Weight

NSGAFOEU/NSHXAFEO 1.8/3kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	kg/km
1×1.5	5.7	7.0	50
1×2.5	6.0	7.5	60
1×4	6.8	9.0	80
1×6	7.3	9.5	100
1×10	8.7	11.0	160
1×16	10.0	13.0	230
1×25	12.4	15.0	340
1×35	13.4	16.5	430
1×50	14.9	18.0	580
1×70	16.6	20.5	780

1x95	19.3	24.0	1030
1x120	20.8	26.0	1270
1x150	23.0	28.0	1570
1x185	25.2	31.0	1900
1x240	28.1	34.5	2500
1x300	30.8	38.0	3000
1x400	40.0	34.6	4000

NSGAFOEU/NSHXAF0E 3.6/6kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. xmm ²	mm	mm	kg/km
1x1.5	8.3	9.5	135
1x2.5	8.6	10.5	150
1x4	9.4	12.0	170
1x6	9.9	13.0	200
1x10	10.9	14.5	250
1x16	12.6	15.5	350
1x25	14.5	17.5	480
1x35	15.6	19.0	600
1x50	17.1	21.0	760
1x70	18.8	23.0	960
1x95	21.3	26.5	1240
1x120	23.2	28.5	1530
1x150	25.0	30.5	1790
1x185	26.8	33.0	2130

NSGAFCMOEU/NSHXAF0E 3.6/6kV

Number of Cores×Nominal Cross Section	Nominal Overall Diameter	Nominal Weight
No. xmm ²	mm	kg/km
1x185	38.5	3060