XINLAN®

NSGAFOEU/NSHXAFOE Medium-Voltage Single Core Cables

Applications

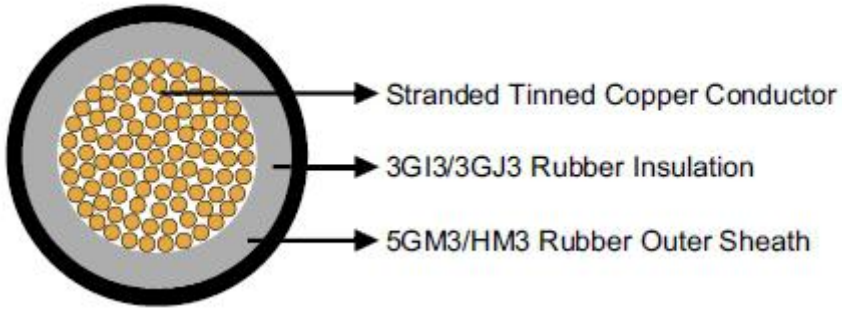
These cables are designed for fixed installation in track-bound vehicles and buses,in pipes and closed installation ducts, as well as for theconnection of mobile parts. 3 kV-rated cables can beused in low-voltage switch boards to ensure inherentlyshort-circuit and earth-fault proof connections.

Standards

DIN VDE 0250 Part 602 (for NSGAFOEU/NSGAFCMOEU)

DIN VDE 0250 Part 606 (for halogen free versionNSHXAFOE/NSHXAFCMOE)

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/NSHXAFCMOE): 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 NSHXAFOE/**/NSHXAFOE**).

Dimensions and Weight

NSGAFOEU/NSHXAFOE 1.8/3kV

Number of Cores×Nominal Cross Section	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	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

XINLAN GROUP CO.,LTD
No.278,Wei 15 Road,Yueqing Economic development zone, Wenzhou City,Zhejiang, China 325600
Fax: (86)-577-62669009 / Tel: (86)-577-62660022 / Mob: (86)-15827450068
E-mail: ttianrran@foxmail.com xinlan@xhcable.com / Skype: ttianrran

1×95	19.3	24.0	1030
1×120	20.8	26.0	1270
1×150	23.0	28.0	1570
1×185	25.2	31.0	1900
1×240	28.1	34.5	2500
1×300	30.8	38.0	3000
1×400	40.0	34.6	4000

NSGAFOEU/NSHXAFOE 3.6/6kV

Number of Cores×Nominal Cross Section	**Minimium Overall Diameter**	**Maximum Overall Diameter**	**Nominal Weight**
No. ×mm²	**mm**	**mm**	**kg/km**
1×1.5	8.3	9.5	135
1×2.5	8.6	10.5	150
1×4	9.4	12.0	170
1×6	9.9	13.0	200
1×10	10.9	14.5	250
1×16	12.6	15.5	350
1×25	14.5	17.5	480
1×35	15.6	19.0	600
1×50	17.1	21.0	760
1×70	18.8	23.0	960
1×95	21.3	26.5	1240
1×120	23.2	28.5	1530
1×150	25.0	30.5	1790
1×185	26.8	33.0	2130

NSGAFCMOEU/NSHXAFCMOE 3.6/6kV

Number of Cores×Nominal Cross Section	**Nominal Overall Diameter**	Nominal Weight
No.×mm²	**mm**	**kg/km**
1×185	38.5	3060

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E-mail: ttianrran@foxmail.com xinlan@xhcable.com / Skype: ttianrran