

NSGAFÖU 1,8/3kV

Rubber insulated, halogen free, flame retardant and UV resistant medium voltage cable



Application

This wire is designed for application in dry rooms, busses and rail born vehicles. If used in distribution or switching appliances the wire is considered to be short circuit proof. It is resistant against most oils and grease.

Construction

Conductor	: Class 5 fine stranded tinned copper wire
Insulation	: ERP, rubber 3GI3, halogen free
Sheathing	: CR, rubber 5GM5
Voltage rating Uo/U	: 1,8kV / 3kV
Test voltage	: 6kV

Outer Sheath Colours

Available colours	: Black
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Installation recommendations

Min. Bending radius fixed installation	: See table Range and Dimensions
Max. Operating temperature fixed	: -40°C - +80°C
Min. Installation temperature	: -25°C - +80°C

Standards applied

VDE 0250 T. 602	
VDE 0482-332-1-2	Flame retardant
IEC 60332-1-2	

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Range and Dimensions

Article Code	Nominal cross sectional area mm ²	Diameter of conductor mm	Conductor resistance Ohms/km	Ampacity in air at 30°C A	Bending radius		Outer diameter mm	Weight of the cable kg/km
					Moved application mm	Fixed installation mm		
E9101C1.5EAKBK5	1.5	1.8	13.7	30	27.5	22.0	5.5	60
E9101C2.5EAKBK5	2.5	2.4	8.21	41	29.5	23.6	6.2	70
E9101C004EAKBK5	4	3.0	5.09	55	32.0	25.6	6.7	90
E9101C006EAKBK5	6	3.9	3.39	70	35.0	28.0	7.2	120
E9101C010EAKBK5	10	5.1	1.95	98	42.0	33.6	8.7	180
E9101C016EAKBK5	16	6.3	1.24	132	46.0	36.8	10.0	250
E9101C025EAKBK5	25	7.8	0.795	176	57.5	46.0	12.0	390
E9101C035EAKBK5	35	9.2	0.565	218	64.0	51.2	13.0	470
E9101C050EAKBK5	50	11.0	0.393	276	71.5	57.2	15.0	625
E9101C070EAKBK5	70	13.1	0.277	347	80.0	64.0	17.0	880
E9101C095EAKBK5	95	15.1	0.210	416	91.0	72.8	19.5	1190
E9101C120EAKBK5	120	17.0	0.164	488	99.5	79.6	21.0	1430
E9101C150EAKBK5	150	19.0	0.132	566	109.0	87.2	23.0	1750
E9101C185EAKBK5	185	21.0	0.108	644	199.0	95.2	26.0	2160
E9101C240EAKBK5	240	24.0	0.0817	775	133.5	106.8	28.0	2640
E9101C300EAKBK5	300	27.0	0.0654	898	190.0	152.0	31.0	3178
E9101C400EAKBK5	400	31.0	0.0486	1060	202.0	162.0	40.5	4200
E9101C500EAKBK5	500	35.0	0.0384	1250	210.0	168.0	42.0	5500

Note:

Subject to change without prior notice. Nominal diameter can have a tolerance of -5% or +5%.

Ampacity in air at 30°C – current rating for installation in free air with distance to wall and next cable > acc. to VDE 0298-4 table 15 col. 2.

NOTICE

Incore Cables has endeavored to ensure the accuracy of the data in this publication, however we cannot be liable for the consequences of errors or omissions. All data is subject to change without notice. The installer and/or user assumes all liability for the consequences of the installation and/or use of any of our products in contravention of any applicable law, regulation or code.

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