

NSGAFÖU 1.8/3kV

[D] CPR Eca



Common features

Particularly suitable for protection against short circuits in laying and for earth-fault-proof routing in rail vehicles and omnibuses. Also suitable for laying in dry environments. Machinery, appliances and cabinet wiring Rail vehicles, buses, switching stations (short circuit protected to 1000 V) distribution (short-circuit protected to 1000 V) No direct burial, by carrying out fire barriers such as cups of sand In pipes and closed installation ducts Bundled or for connection of moving parts For fixed installation and occasional free movement in indoors and outdoors. Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.

Employment

Minimum bending radius per D cable diameter (in mm):

4D

Maximum pulling stress:

50 N/mm²

Packing

Long lengths on cable drums or coils in thermo foil.

Core colours

Ink marking

Identification marking.

Note

Stranded conductor of tinned copper DIN VDE cl.5 and IEC 60228 cl.5.
Ethylene-propylene (EPR) insulation type 3GI3 DIN VDE 0207 part 20.
Polychloroprene (PCP) outer jacket type 5GM3 DIN VDE 0207 part 21

Complies with DIN VDE 0250 part 602 DIN VDE 0472 part 804
EN 50575:2014 + EN 50575/A1:2016

SPECIAL RUBBER-INSULATED SINGLE CORE CABLE
(Accordingly to the standards 2011/65/EU (RoHS 2))

Standards

Flexible conductor TINNED copper, class 5.
RUBBER insulation, 3GI3.
Polychloroprene sheath, 5GM3.

Nominal voltage U₀

1800 V

Nominal voltage U

3000 V

Test voltage

6000 V

Maximum operating temperature

+90°C

Maximum short circuit temperature

+250°C

Min. operating temperature (without mechanical shocks)

-40 °C

Minimum installation and use temperature

-25°C

Cores number x cross section (N° x mm ²)	Single wire diameter (mm)	Maximum electric resistance (Ohm/km)	Free in air (A)	Fixed Lay Single (A)	Fixed Lay Loom (A)	Fixed Lay In pipe (A)	Min. insulation thickness (mm)	Min. sheath thickness (mm)	Max. external diameter (mm)	Approx cable weight (kg/km)
1x1,5	0,26	13.7	30	28	19	15	1.3	0.8	6.3	51
1x2,5	0,26	8.21	41	38	27	21	1.3	0.8	6.7	63
1x4	0,31	5.09	55	52	36	29	1.3	0.8	7.4	82
1x6	0,31	3.39	70	66	46	37	1.3	0.8	7.9	103
1x10	0,41	1.95	98	93	65	52	1.3	0.8	9.5	159
1x16	0,41	1.24	132	125	87	70	1.5	0.8	10.5	219
1x25	0,41	0.795	176	167	117	93	1.5	0.8	12.8	335
1x35	0,41	0.565	218	207	144	115	1.6	1.0	14.1	435
1x50	0,41	0.393	276	262	183	146	1.6	1.0	15.9	582
1x70	0,51	0.277	347	329	230	185	1.8	1.0	17.8	757
1x95	0,51	0.210	416	395	276	221	1.8	1.0	17.8	757
1x120	0,51	0.164	488	463	324	259	2.2	1.0	20.1	1040
1x150	0,51	0.132	566	537	376	301	2.2	1.0	22.0	1289
1x185	0,51	0.108	644	611	428	342	2.2	1.2	24.0	1581
1x240	0,51	0.0817	775	736	515	412	2.4	1.2	26.3	1895
1x300	0,51	0.0654	879	836	584	467	2.6	1.2	29.6	2452
							2.8	1.2	32.2	2998



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