

**NSGAFÖU 1.8/3kV****[D] CPR Eca**

Model Product: 282 - 20251210

**CÂBLE SPÉCIAL MONOCÈNE ISOLÉ EN CAOUTCHOUC**

Tension nominale U0: 1800 V

Tension nominale U: 3000 V

Tension d'essai: 6000 V

Temperature maxi de service: +90°C

Température maximale de court-circuit: +250°C

Minimale d'installation et de température d'utilisation: -25°C

Température de fonctionnement mini (sans chocs mécaniques): -40 °C

**NORMES DE RÉFÉRENCE**

Complies with DIN VDE 0250 part 602 DIN VDE 0472 part 804

EN 50575:2014 + EN 50575/A1:2016

Accordingly to the standards 2011/65/EU (RoHS 3)

**ENCRE À MARQUER**

Identification marking.

**REMARQUES**

Separator tape over the conductor

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

**CARACTÉRISTIQUES COMMUNES**

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. UV resistant according to EN 50289-4-17 method A (720h)

**CONDITIONS D'INSTALLATION**

Rayon de courbure minimum par câble de diamètre D (en mm): 4D

Effort de traction maximum conseillé: 50 N/mm<sup>2</sup>**EMBALLAGE**

Long lengths on cable drums or coils in thermo foil.

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| Cores number x<br>cross section | Single wire<br>diameter | Maximum<br>electric<br>resistance | Current carrying capacities |                  |                |                   | Min. insulation<br>thickness | Min. sheath<br>thickness | Max. external<br>diameter | Approx cable<br>weight |
|---------------------------------|-------------------------|-----------------------------------|-----------------------------|------------------|----------------|-------------------|------------------------------|--------------------------|---------------------------|------------------------|
|                                 |                         |                                   | Free in air                 | Fixed Lay Single | Fixed Lay Loom | Fixed Lay In pipe |                              |                          |                           |                        |
| (N° x mm²)                      | (mm)                    | (Ohm/km)                          | (A)                         | (A)              | (A)            | (A)               | (mm)                         | (mm)                     | (mm)                      | (kg/km)                |
| Monoconducteur                  |                         |                                   |                             |                  |                |                   |                              |                          |                           |                        |
| 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                | 1.5                          | 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                | 1.6                          | 1.0                      | 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               | 1.8                          | 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               | 2.2                          | 1.0                      | 20.1                      | 1040                   |
| 1x120                           | 0,51                    | 0.164                             | 488                         | 463              | 324            | 259               | 2.2                          | 1.0                      | 22.0                      | 1289                   |
| 1x150                           | 0,51                    | 0.132                             | 566                         | 537              | 376            | 301               | 2.2                          | 1.2                      | 24.0                      | 1581                   |
| 1x185                           | 0,51                    | 0.108                             | 644                         | 611              | 428            | 342               | 2.4                          | 1.2                      | 26.3                      | 1895                   |
| 1x240                           | 0,51                    | 0.0817                            | 775                         | 736              | 515            | 412               | 2.6                          | 1.2                      | 29.6                      | 2452                   |
| 1x300                           | 0,51                    | 0.0654                            | 879                         | 836              | 584            | 467               | 2.8                          | 1.2                      | 32.2                      | 2998                   |
| 1x400                           | 0,51                    | 0.0495                            | 920                         | 906              | 611            | 583               | 3.0                          | 1.4                      | 36.2                      | 3900                   |