



CONSTRUCTION

- 1 Conductor:** Bare electrolytic copper, soft temper, with flexible stranding: class 4 for cables with cross sections 0.5 mm², 0.75 mm², 1 mm², 2 mm²*, 2.5 mm², 4 mm² and 6 mm².
Class 5 for cables with cross section 1.5 mm² and above 6 mm².

* The 2 mm² cross section is intended for Paraguay and Uruguay.
 - 2 Insulation:** Thermoplastic compound (PVC), flame retardant 70°C.
 - 2A Insulation:** Thermoplastic compound (PVC), flame retardant 70°C.
* Applicable only for sizes from 1.5 to 6 mm².
- obs** When applicable, insulation **2A** is fully bonded to insulation **2**.

IDENTIFICATION

DUFLEX cables are normally produced in the following colors:

Sections 0.5 to 6 mm²: black, white, red, blue, yellow, gray, green and green/yellow
Sizes 10 to 35 mm²: black, blue, green and green/yellow
Sizes 50 to 500 mm²: black

APPLICATION

DUFLEX cables are especially recommended for panel wiring, control panels, as well as other applications where high flexibility and ease of handling during installation are required.

PACKAGING

Sections 0.5 to 10 mm²: in 100 m coils
Other sizes: on wooden reels

SPECIFICATIONS

NBR NM 247 – PVC insulated cables for nominal voltages up to 450/750V.

| Reference | Conductor | | Insulation | | Total weight (kg/km) |
|-------------|--|-----------------------|------------------------|--------------------------------|----------------------|
| | Nominal cross section (mm ²) | Nominal diameter (mm) | Nominal thickness (mm) | Nominal external diameter (mm) | |
| 1800.01.005 | 0.5* | 0.86 | 0.6 | 2.06 | 8.33 |
| 1800.01.006 | 0.75* | 1.05 | | 2.25 | 10.9 |
| 1800.01.007 | 1 | 1.22 | | 2.42 | 13.4 |
| 1800.01.008 | 1.5 | 1.49 | 0.7 | 2.89 | 19.5 |
| 1800.01.200 | 2** | 1.72 | 0.8 | 3.32 | 25.8 |
| 1800.01.009 | 2.5 | 1.95 | | 3.55 | 31.7 |
| 1800.01.010 | 4 | 2.43 | | 4.03 | 45.1 |
| 1800.01.011 | 6 | 3.00 | | 4.60 | 63.4 |
| 1800.01.012 | 10 | 3.90 | 1.0 | 5.90 | 105 |
| 1800.01.013 | 16 | 5.00 | 1.2 | 7.00 | 158 |
| 1800.01.014 | 25 | 6.20 | | 8.60 | 247 |
| 1800.01.015 | 35 | 7.35 | 1.4 | 9.75 | 336 |
| 1800.01.016 | 50* | 8.80 | | 11.6 | 478 |
| 1800.01.017 | 70* | 10.4 | | 13.2 | 655 |
| 1800.01.018 | 95* | 12.1 | 1.6 | 15.3 | 875 |
| 1800.01.019 | 120* | 13.8 | 1.8 | 17.0 | 1143 |
| 1800.01.020 | 150* | 15.5 | | 19.1 | 1409 |
| 1800.01.021 | 185* | 16.8 | 2.0 | 20.8 | 1700 |
| 1800.01.022 | 240* | 19.9 | 2.2 | 24.3 | 2292 |
| 1800.01.023 | 300* | 21.4 | 2.4 | 26.2 | 2718 |
| 1800.01.024 | 400* | 25.1 | 2.6 | 30.3 | 3694 |
| 1800.01.025 | 500* | 28.0 | 2.8 | 33.6 | 4602 |

*Nominal cross sections (mm²) produced upon customer request.

**Nominal cross section intended for Paraguay and Uruguay.