

## BFOU 0,6/1 kV



Fire resistant, flame retardant halogen-free power cable,  
Mud resistant

### Technical Data

#### Application

Fixed installation for power, control and lighting, in both EX-and safe areas, emergency and critical systems.

#### Construction

##### 1. Conductor

-Circular, tinned, stranded copper

##### 2. Insulation

-Mica tape / EP-rubber

##### 3. Bedding

-Flame retardant and halogen-free thermoplastic compound & PETP-tape

##### 4. Armour

-Tinned copper wire braid & PETP-tape

##### 5. Outer sheath

-Flame retardant, halogen-free and mud resistant thermoset compound, SHF 2

##### 6. Colour

-Black

#### Standards

IEC 60092-353  
IEC 60228 class 2  
IEC 60092-351  
IEC 60092-359  
IEC 60332-1  
IEC 60332-3-22  
IEC 60331-21  
IEC 60754-1,2  
IEC 61034-1,2

#### Main Characteristics

-Rated Voltage: 0,6/1kV  
-Operating Temperature: 90°C  
-Flame-retardant  
-Fire resistant  
-Halogen-Free  
-NEK 606 Code P5/P12  
-MGT/EPR/EPR/TCWB/EVA

#### Core Identification

**1 core:** Grey (Off-white)  
**2 cores:** Grey (Off-white) - Black  
**3 cores:** Grey (Off-white) - Black - Red  
**4 cores:** Grey (Off-white) - Black - Red - Blue  
**5 cores:** Grey (Off-white) - Black - Red - Blue - Black  
**5+ cores:** Black numbers on white base  
**Earth core:** Yellow/green



#### Marking

E.g; "meter" "year" DRAKA NORSK KABEL BFOU 0,6/1kV P5/P12 3x25/16 mm<sup>2</sup> FLEX-FLAME IEC 60331 IEC 60332-3/A "CE"

**Fire resistant, flame retardant halogen-free power cable  
Mud resistant**

| Part Number | No. of cores and cond. area (mm <sup>2</sup> ) | Cond. Ø appr. (mm) | Ø bedding (mm) | Outer sheath Ø (mm) | Weight approx. (kg/km) | Current rating at 45°C (A) | Resistance at 20°C (ohm/km) |
|-------------|--|--------------------|----------------|---------------------|------------------------|----------------------------|-----------------------------|
| 113003      | 1x16/2.5                                       | 5.2                | 10.5±1.0       | 13.5±1.0            | 360                    | 90                         | 1.16                        |
| 113014      | 1x25/4   | 6.6                | 12.0±1.0       | 15.0±1.0            | 480                    | 120                        | 0.734                       |
| 113025      | 1x35/6   | 7.7                | 13.5±1.0       | 17.0±1.0            | 650                    | 145                        | 0.529                       |
| 113036      | 1x50/6   | 9,00               | 15.5±1.0       | 19.0±1.0            | 830                    | 180                        | 0.391                       |
| 113047      | 1x70/6   | 10.9               | 17.0±1.0       | 21.0±1.5            | 1070                   | 225                        | 0.27                        |
| 113058      | 1x95/10  | 12.6               | 19.0±1.0       | 23.5±1.5            | 1380                   | 275                        | 0.195                       |
| 113069      | 1x120/10                                       | 14.2               | 21.0±1.5       | 25.5±1.5            | 1700                   | 320                        | 0.154                       |
| 113080      | 1x150/10                                       | 15.9               | 23.5±1.5       | 27.5±1.5            | 2030                   | 365                        | 0.126                       |
| 113091      | 1x185/10                                       | 17.7               | 25.5±1.5       | 30.0±2.0            | 2470                   | 415                        | 0.1                         |
| 113102      | 1x240/16                                       | 20.15              | 28.5±1.5       | 33.0±2.0            | 3130                   | 490                        | 0.0762                      |
| 113113      | 1x300/16                                       | 22.6               | 31.0±2.0       | 36.5±2.0            | 3820                   | 560                        | 0.0607                      |
| 113124      | 2x1.5/4  | 1.6                | 10.5±1.0       | 13.5±1.0            | 280                    | 17                         | 12.2                        |
| 113135      | 2x2.5/4  | 2,00               | 11.5±1.0       | 14.5±1.0            | 320                    | 24                         | 7.56                        |
| 113146      | 2x4/6  | 2.55               | 12.5±1.0       | 16.0±1.0            | 420                    | 32                         | 4.7                         |
| 113157      | 2x6/6  | 3.15               | 13.5±1.0       | 17.5±1.0            | 510                    | 41                         | 3.11                        |
| 113168      | 2x10/10  | 4.05               | 15.5±1.0       | 19.5±1.0            | 680                    | 57                         | 1.84                        |
| 113179      | 2x16/16  | 5.15               | 17.5±1.0       | 22.5±1.5            | 960                    | 77                         | 1.16                        |
| 113190      | 3x1.5/4  | 1.6                | 11.0±1.0       | 14.5±1.0            | 310                    | 14                         | 12.2                        |
| 113201      | 3x2.5/6  | 2,00               | 12.0±1.0       | 15.5±1.0            | 400                    | 20                         | 7.56                        |
| 113212      | 3x4/6  | 2.55               | 13.5±1.0       | 17.0±1.0            | 500                    | 27                         | 4.7                         |
| 113223      | 3x6/6  | 3.15               | 14.5±1.0       | 18.5±1.0            | 590                    | 34                         | 3.11                        |
| 113234      | 3x10/10  | 4.05               | 16.5±1.0       | 20.5±1.5            | 780                    | 47                         | 1.84                        |
| 113245      | 3x16/16  | 5.15               | 19.0±1.0       | 23.5±1.5            | 1130                   | 63                         | 1.16                        |
| 113256      | 3x25/16  | 6.4                | 22.5±1.5       | 27.0±1.5            | 1510                   | 84                         | 0.734                       |
| 113267      | 3x35/16  | 7.65               | 25.5±1.5       | 30.0±2.0            | 1930                   | 100                        | 0.529                       |
| 113278      | 3x50/25  | 9,00               | 29.5±1.5       | 34.5±2.0            | 2640                   | 125                        | 0.391                       |
| 113289      | 3x70/35  | 10.85              | 34.5±2.0       | 40.5±2.5            | 3630                   | 160                        | 0.27                        |
| 113300      | 3x95/50  | 12.6               | 38.0±2.0       | 44.5±2.5            | 4720                   | 195                        | 0.195                       |
| 113311      | 3x120/60                                       | 14.2               | 41.5±2.5       | 48.5±2.5            | 5820                   | 225                        | 0.154                       |
| 113322      | 3x150/70                                       | 15.9               | 46.5±2.5       | 54.5±3.0            | 7210                   | 255                        | 0.126                       |
| 113333      | 3x185/95                                       | 16.8               | 52.0±3.0       | 61.5±3.5            | 9400                   | 290                        | 0.1                         |
| 113344      | 3x1.5+E  | 1.6                | 12.0±1.0       | 16.0±1.0            | 390                    | 14                         | 12.2                        |
| 113355      | 3x2.5+E  | 2,00               | 13.0±1.0       | 17.0±1.0            | 470                    | 20                         | 7.56                        |
| 113366      | 3x4+E  | 2.55               | 14.5±1.0       | 18.5±1.0            | 580                    | 27                         | 4.7                         |
| 113377      | 3x6+E  | 3.15               | 16.0±1.0       | 20.0±1.5            | 700                    | 34                         | 3.11                        |
| 113388      | 3x10+E   | 4.05               | 18.0±1.0       | 22.5±1.0            | 930                    | 47                         | 1.84                        |
| 113399      | 3x16+E   | 5.15               | 21.0±1.5       | 25.0±1.5            | 1350                   | 63                         | 1.16                        |
| 113410      | 3x25+E   | 6.4                | 25.0±1.5       | 29.5±1.5            | 1850                   | 84                         | 0.734                       |
| 113421      | 3x35+E   | 7.65               | 28.0±1.5       | 33.0±2.0            | 2370                   | 100                        | 0.529                       |
| 113432      | 3x50+E   | 9,00               | 33.0±2.0       | 38.5±2.0            | 3280                   | 125                        | 0.391                       |
| 113443      | 3x70+E   | 10.85              | 37.0±2.0       | 43.0±2.5            | 4340                   | 160                        | 0.27                        |
| 113454      | 3x95+E   | 12.6               | 42.5±2.5       | 48.5±2.5            | 5700                   | 195                        | 0.195                       |
| 113465      | 3x120+E  | 14.2               | 46.0±2.5       | 52.5±3.0            | 7000                   | 225                        | 0.154                       |
| 113476      | 4x1.5/6  | 1.6                | 12.0±1.0       | 16.0±1.0            | 390                    | 14                         | 12.2                        |
| 113487      | 4x2.5/6  | 2,00               | 13.0±1.0       | 17.0±1.0            | 470                    | 20                         | 7.56                        |
| 113498      | 4x4/6  | 2.55               | 14.5±1.0       | 18.5±1.0            | 580                    | 27                         | 4.7                         |
| 113509      | 4x6/6  | 3.15               | 16.0±1.0       | 20.0±1.5            | 700                    | 34                         | 3.11                        |
| 113520      | 4x10/10  | 4.05               | 18.0±1.0       | 22.5±1.0            | 930                    | 47                         | 1.84                        |



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## BFOU 0,6/1 kV



Fire resistant, flame retardant halogen-free power cable  
Mud resistant

Prysmian  
Group

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| Part Number | No. of cores and cond. area (mm <sup>2</sup> ) | Cond. Ø appr. (mm) | Ø bedding (mm) | Outer sheath Ø (mm) | Weight approx. (kg/km) | Current rating at 45°C (A) | Resistance at 20°C (ohm/km) |
|-------------|--|--------------------|----------------|---------------------|------------------------|----------------------------|-----------------------------|
| 113531      | 4x16/16  | 5.15               | 21.0±1.5       | 26.0±1.5            | 1370                   | 63                         | 1.16                        |
| 113542      | 4x25/16  | 6.4                | 25.0±1.5       | 29.5±1.5            | 1850                   | 84                         | 0.734                       |
| 113553      | 4x35/16  | 7.65               | 28.0±1.5       | 33.0±2.0            | 2370                   | 100                        | 0.529                       |
| 113564      | 4x50/25  | 9,00               | 33.0±2.0       | 38.5±2.0            | 3280                   | 125                        | 0.391                       |
| 113575      | 4x70/35  | 10.85              | 37.0±2.0       | 43.5±2.5            | 4390                   | 160                        | 0.27                        |
| 113586      | 4x95/50  | 12.6               | 42.5±2.5       | 49.0±2.5            | 5830                   | 195                        | 0.195                       |
| 113597      | 4x120/60                                       | 14.2               | 46.0±2.5       | 53.5±3.0            | 7180                   | 225                        | 0.154                       |
| 113608      | 4x185/95                                       | 16.8               | 58.0±3.0       | 68.5±3.5            | 12000                  | 290                        | 0.1                         |
| 113619      | 5x1.5/6  | 1.6                | 13.0±1.0       | 17.0±1.0            | 460                    | 12                         | 12.2                        |
| 113630      | 7x1.5/6  | 1.6                | 14.5±1.0       | 18.0±1.0            | 520                    | 10                         | 12.2                        |
| 113641      | 7x2.5/6  | 2,00               | 15.5±1.0       | 19.5±1.0            | 650                    | 15                         | 7.56                        |
| 113652      | 12x1.5/10                                      | 1.6                | 19.0±1.0       | 23.0±1.5            | 780                    | 9                          | 12.2                        |
| 113663      | 12x2.5/10                                      | 2,00               | 21.0±1.5       | 25.0±1.5            | 980                    | 12                         | 7.56                        |
| 113674      | 19x 1.5/10                                     | 1.6                | 22.5±1.5       | 27.0±1.5            | 1080                   | 8                          | 12.2                        |
| 113685      | 19x 2.5/10                                     | 2,00               | 24.5±1.5       | 29.0±1.5            | 1350                   | 11                         | 7.56                        |
| 113696      | 27x 1.5/10                                     | 1.6                | 27.0±1.5       | 31.5±2.0            | 1440                   | 6.5                        | 12.2                        |
| 113707      | 27x 2.5/16                                     | 2,00               | 29.5±1.5       | 34.5±2.0            | 1810                   | 9                          | 7.56                        |
| 113718      | 37x 1.5/16                                     | 1.6                | 30.5±2.0       | 35.5±2.0            | 1840                   | 6                          | 12.2                        |
| 113729      | 37x 2.5/16                                     | 2,00               | 33.5±2.0       | 39.0±2.0            | 2370                   | 8                          | 7.56                        |

