

BFOU(c) 250V



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

Technical Data

Application

Fixed installation for instrumentation, communication, control, alarm, emergency and critical systems in both EX- and safe areas. Mud resistant in accordance with NEK 606.

Construction

1. Conductor

-Tinned stranded copper

2. Insulation

-Mica-tape / EP-rubber

3. Twinning/screening

-Colour coded cores twisted together and wrapped with polyester tape. Pairs/triples are laid up collectively screened by copper (or aluminium) backed polyester tape with tinned copper drain wire. Pairs/triples are identified by numbered tape. PETP tape

4. Bedding

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

5. Armour

-Tinned copper wire braid & PETP-tape

6. Outer sheath

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

7. Colour

-grey or blue

Standards

IEC 60092-3 & NEK 606

IEC 60332-3/A

IEC 60331

IEC 60754-1,2

IEC 61034-1,2

Main Characteristics

-Rated Voltage: 250 V

-Operating Temperature: 85°C

-Flame-retardant

-Halogen-Free NEK 606 Type: S4

-Mud resistant NEK 606 Type: S8

-Fire resistant

-MGT/EPR/EPR/TCWB/EVA

Core Identification

Black-Light Blue

Black-Light Blue-Brown

Pairs/triples are numbered with numbered tape or by numbers printed directly on the insulated conductor



Marking

E.g; "meter" "year" DRAKA NORSE KABEL BFOU (c) 250V S4/S8 8 pair 0.75mm² FLEX-FLAME IEC 60331 IEC 60332-3/A "CE"

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Prysmian
Group

| Part Number (grey/blue) | No. of cores and cond. area (mm ²) | Cond. Ø appr. (mm) | Ø over Bedding (mm) | Overall Ø (mm) | Weight approx. (kg/km) | Copper content approx. (kg/km) |
|----------------------------|---|-----------------------------|---------------------------|----------------------|------------------------------|---|
| 113806/113817 | 2x2x0.75 | 1.1 | 12.5±1.0 | 16.0±1.0 | 350 | 103 |
| 113828/113839 | 4x2x0.75 | 1.1 | 14.5±1.0 | 18.0±1.0 | 460 | 143 |
| 113850/113861 | 8x2x0.75 | 1.1 | 20.0±1.5 | 24.0±1.5 | 780 | 239 |
| 113872/113883 | 12x2x0.75 | 1.1 | 22.5±1.5 | 27.0±1.5 | 1040 | 349 |
| 113894/113905 | 16x2x0.75 | 1.1 | 24.0±1.5 | 29.0±1.5 | 1210 | 410 |
| 113916/113927 | 24x2x0.75 | 1.1 | 29.5±1.5 | 35.0±2.0 | 1730 | 571 |
| 113938/113949 | 2x2x1.5 | 1.6 | 14.0±1.0 | 17.5±1.0 | 450 | 154 |
| 113960/113971 | 4x2x1.5 | 1.6 | 16.0±1.0 | 20.0±1.5 | 610 | 233 |
| 113982/113993 | 8x2x1.5 | 1.6 | 22.5±1.5 | 26.5±1.5 | 1030 | 385 |
| 114004/114015 | 12x2x1.5 | 1.6 | 25.5±1.5 | 30.0±2.0 | 1390 | 564 |
| 114026/114037 | 16x2x1.5 | 1.6 | 27.5±1.5 | 32.5±2.0 | 1670 | 706 |
| 114048/114059 | 24x2x1.5 | 1.6 | 34.0±2.0 | 40.0±2.5 | 2440 | 1023 |
| | 2x2x2.5 | 2.0 | 16.5±1.0 | 20.5±1.5 | 580 | 280 |
| 114092/- | 4x2x2.5 | 2.0 | 19.5±1.0 | 23.5±1.5 | 850 | 336 |
| 114114/- | 8x2x2.5 | 2.0 | 26.5±1.5 | 31.0±2.0 | 1440 | 591 |
| 114136/- | 16x2x2.5 | 2.0 | 33.5±2.0 | 39.5±2.0 | 2440 | 1068 |
| -/114169 | 24x2x2.5 | 2.0 | 41.5±2.5 | 48.0±2.5 | 3540 | 1539 |
| 114180/114191 | 2x3x0.75 | 1.1 | 14.0±1.0 | 18.0±1.0 | 470 | 148 |
| 114202/114213 | 4x3x0.75 | 1.1 | 16.5±1.0 | 20.5±1.5 | 610 | 202 |
| 114224/114235 | 8x3x0.75 | 1.1 | 21.5±1.5 | 26.0±1.5 | 1020 | 343 |
| 114246/114257 | 12x3x0.75 | 1.1 | 25.5±1.5 | 30.5±2.0 | 1380 | 459 |
| 114268/114279 | 16x3x0.75 | 1.1 | 27.5±1.5 | 32.5±2.0 | 1590 | 557 |
| 114290/114301 | 24x3x0.75 | 1.1 | 34.0±2.0 | 39.5±2.0 | 2340 | 819 |
| 114312/114323 | 2x3x1.5 | 1.6 | 16.0±1.0 | 20.0±1.5 | 600 | 213 |
| 114334/114345 | 4x3x1.5 | 1.6 | 18.5±1.0 | 22.5±1.5 | 790 | 308 |
| 114356/114367 | 8x3x1.5 | 1.6 | 24.5±1.5 | 29.5±1.5 | 1350 | 556 |
| 114378/114389 | 12x3x1.5 | 1.6 | 29.5±1.5 | 34.5±2.0 | 1910 | 781 |
| 114400/114411 | 16x3x1.5 | 1.6 | 32.0±2.0 | 37.5±2.0 | 2330 | 1013 |
| 114422/114433 | 24x3x1.5 | 1.6 | 39.5±2.0 | 46.0±2.5 | 3410 | 1494 |

