

BFOU 6/10(12)kV



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

Technical Data

Application

Fixed installation in both EX- and safe areas. Medium voltage power cables for emergency and critical systems.

Construction

1. Conductor

-Circular, tinned, stranded and compressed copper

2. Insulation

-Mica tape, 6 layers / EP-rubber

3. Insulation screen

-Extruded semiconductive EP-rubber

4. Metallic screen

-Tinned copper wire braid & Polyester tape and textile tape

5. Bedding

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

6. Armour

-Tinned copper wire braid & PETP-tape

7. Outer sheath

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

8. Colour

-Red

Standards

IEC 60092-354 & NEK 606

IEC 60332-3/A

IEC 60331

IEC 60754-1,2

IEC 61034-1,2

Main Characteristics

-Rated Voltage: 6/10(12)Kv

-Operating Temperature: 85°C

-Flame-retardant

-Fire resistant

-Halogen-Free NEK 606 Type: P7

-Mud resistant NEK 606 Type P14

-MGT/EPR/EPR/TCWB/EVA

Core Identification

1 core: Grey (Off-white) + black semi-conductive layer

3 cores: Grey (Off-white) + black semi-conductive layer identified by White-Black-Red threads under and over the metallic screen on each individual core.

Earth core: Yellow/green

Marking

E.g; "meter" "year" DRAKA NORSK KABEL BFOU 6/10(12)kV P7/P14 1x150mm² FLEX-FLAME IEC 60331 IEC 60332-3/A



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Prysmian
Group

Part Number	No. of cores and cond. area (mm ²)	Cond. Ø apprx. (mm)	Ø bedding (mm)	Outer sheath Ø (mm)	Weight approx. (kg/km)	Current rating at 45°C (A)	Resistance at 20°C (ohm/km)
113740	1x95	12.1	28.5±1.5	34.5±2.0	2300	247	0.195
113751	1x150	15.1	32.0±2.0	37.5±2.0	2950	328	0.126
113762	1x240	19.1	35.5±2.0	42.0±2.0	4150	441	0.0762
113773	1x300	21.5	39.0±2.0	46.5±2.5	5000	504	0.0607
113784	3x95/50	12.1	59.0±2.0	68.0±2.5	8100	175	0.195
113795	3x150/75	15.1	65.0±2.0	75.5±3.0	10750	229	0.126

