

RFOU 6/10(12)kV



Flame retardant halogen-free medium voltage (MV) cable,
Mud resistant

Technical Data

Application

Fixed installation for medium voltage (MV) power in both Ex and safe areas, general purposes. For installation in areas exposed to MUD and drilling/cleaning fluids. Meets the MUD resistance requirement in NEK TS 606:2009

Construction

1.Conductor

-Tinned annealed stranded circular copper (STCC),
IEC 60228 class 2

2.Conductor screen semiconductive

-Semiconductive layer (EP-rubber)

3.Insulation

-EP-rubber, IEC 60092-351 (EPR)

4.Insulation screen semiconductive

-Semiconductive layer (EP-rubber)

5.Lay up / Shielding

-Cores are laid up together. Cores are identified by Brown, Black or Grey threads under and over the metallic screen on each conductor.

6.Inner covering

-Flame retardant & HF thermoset compound

7.Tape over inner covering

-PET tape

8.Armour/screen

-Tinned annealed copper wire braid

9.Tape over armour/screen

-PET tape

10.Outer sheath

-Flame retardant, halogen-free and mud resistant thermoset compound, SHF2 (IEC 60092-359)

11.Outer sheath colour

-Red

Standards

IEC 60092-354

IEC 60228,class 2

IEC 60092-351

IEC 60092-359

IEC 60332-1

IEC 60332-3-22

IEC 60754-1,2

IEC 61034-1,2

Main Characteristics

-**Rated Voltage:** 6/10(12) kV

-**Operating Temperature:** 90°C

-**Flame-retardant**

-**Halogen-Free**

-**NEK TS 606 Code P3/P10**

-**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 04 RFOU 6/10(12)KV P3/P10 3 x 95/50 mm² IEC 60332-3-22



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Prysmian
Group

Part Number	No. of cores and cond. area (mm ²)	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)
111562	1x95	12.1	26.5±2.0	33.0±2.0	2100	247	0.195
111573	1x150	15.1	30.0±2.0	36.0±2.0	2800	328	0.126
111584	1x240	19.1	34.0±2.0	41.0±2.0	4000	441	0.0762
111595	1x300	21.5	37.0±2.0	44.5±2.5	4750	504	0.0607
111606	3x95/50	12.1	55.0±3.0	63.5±3.5	7600	175	0.195
111617	3x120/60	13.6	58.0±3.0	69.0±3.5	8800	202	0.154

