

Fire Resistant power cable, BFOU 0,6/1(1,2)kV, P5/P12/P105


Fire resistant, flame retardant halogen-free power cable.

BFOU 0,6/1(1,2)kV

MGT/EPR/EPR/TCWB/EVA

BFOU 1kV NEK TS 606 Code P105
 BFOU M 1kV NEK TS 606 Code P5/P12/P105

Operating temperature : 90°C
 Operating Voltage : 0,6/1(1,2)kV

Standards applied
Application

Fixed installation for power, control and lighting in both EX (Zone 0, 1 & 2)- and safe areas, emergency and critical systems where requirement for fire resistance exists.
 BFOU M 1kV for installation in areas exposed to MUD and drilling/cleaning fluids. Meets the Oil & Mud resistance requirement in NEK TS 606:2016.

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|----------------------|-------------------|
| IEC 60092-353 | - Design |
| IEC 60228 class 2 | - Conductor |
| IEC 60092-360 | - Insulation |
| IEC 60092-360 | - Sheath |
| IEC 60332-1-2 | - Flame Retardant |
| IEC 60332-3-22 | - Flame Retardant |
| IEC 60331-1, -2, -21 | - Fire Resistant |
| IEC 60754-1,2 | - Halogen Free |
| IEC 61034-1,2 | - Low Smoke |

Construction

	Code Letter	
Conductor		Tinned annealed stranded circular copper, IEC 60228 class 2
Insulation	B	Mica-tape + EP-rubber, IEC 60092-360 (EPR)
Lay up / Shielding		Cores laid up in concentric layers
Inner covering	F	Flame retardant and halogen-free extruded compound
Tape over inner covering		PET tape
Armour/screen	O	Tinned annealed copper wire braid
Tape over armour/screen		PET tape
Outer sheath	U	Flame retardant, halogen-free thermoset compound, SHF2 (IEC 60092-360)
Marking text (example)		"meter" "year/week" DRAKA 01 Part no. <SAP code> BFOU M 0,6/1kV P5/P12/P105 3 x 25/16 mm2 FLEX - FLAME IEC 60092-353 IEC 60331-1*) or IEC 60331-2*) IEC 60331-21**) IEC 60332-3-22 Production no. <Prod.ordre no.>
Manufacturing unit		DRAKA 01 = Prysmian Group Norge AS
Outer sheath colour		Black

*) IEC 60331-1 for cables with an overall diameter exceeding 20 mm and IEC 60331-2 for cables with an overall diameter not exceeding 20 mm
 **) IEC 60331-21 also at enhanced temperature 1000°C for 180 minutes