

BFOU(i) 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 screened by copper (or aluminium) backed polyester tape with tinned copper drain wire. Each pair/triple is wrapped with polyester tape to prevent electrical contact with adjacent pairs/triples. Pairs/triples are identified by numbered tape. PFTP-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: S3

-Mud resistant NEK 606 Type: S7

-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 NORSK KABEL BFOU (i) 250V S3/S7 1 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)
114444/114455	1x2x0.75	1.1	9.0±0.8	12.0±1.0	220	64
114466/114477	2x2x0.75	1.1	12.5±1.0	16.0±1.0	390	121
114488/114499	4x2x0.75	1.1	14.5±1.0	18.5±1.0	510	174
114510/114521	8x2x0.75	1.1	20.0±1.5	24.5±1.5	890	285
114532/114543	12x2x0.75	1.1	23.5±1.5	28.5±1.5	1250	434
114554/114565	16x2x0.75	1.1	26.5±1.5	31.5±2.0	1490	529
114576/114587	24x2x0.75	1.1	32.5±2.0	38.5±2.0	2210	818
114598/114609	1x2x1.5	1.6	10.0±1.0	13.0±1.0	250	73
114620/114631	2x2x1.5	1.6	14.5±1.0	18.5±1.0	510	176
114642/114653	4x2x1.5	1.6	17.0±1.5	21.0±1.5	690	272
114664/114675	8x2x1.5	1.6	23.0±1.5	27.5±1.5	1230	512
114686/114697	12x2x1.5	1.6	27.0±1.5	32.0±2.0	1670	706
114708/114719	16x2x1.5	1.6	31.0±2.0	36.0±2.0	2100	900
114730/114741	24x2x1.5	1.6	37.5±2.0	44.0±2.5	3020	1352
114752/114763	1x2x2.5	2,0	11.5±1.0	14.5±1.0	330	111
114774/114785	4x2x2.5	2,0	20.5±1.5	24.5±1.5	950	401
114796/114807	1x3x0.75	1.1	9.5±0.8	12.5±1.0	240	71
114818/114829	2x3x0.75	1.1	13.5±1.0	17.5±1.0	440	135
114840/114851	4x3x0.75	1.1	16.5±1.0	20.0±1.5	620	204
114862/114873	8x3x0.75	1.1	21.5±1.5	26.0±1.5	1080	358
114884/114895	12x3x0.75	1.1	26.0±1.5	31.0±2.0	1540	545
114906/114917	16x3x0.75	1.1	28.5±1.5	33.5±2.0	1790	666
114928/114939	24x3x0.75	1.1	36.0±2.0	42.0±2.5	2720	988
114950/114961	1x3x1.5	1.6	10.5±1.0	13.5±1.0	300	100
114972/114983	2x3x1.5	1.6	15.5±1.0	19.5±1.0	570	205
114994/115005	4x3x1.5	1.6	18.5±1.0	23.0±1.5	910	388
115016/115027	8x3x1.5	1.6	24.5±1.5	29.0±1.5	1440	630
115038/115049	12x3x1.5	1.6	30.5±2.0	35.5±2.0	2150	923
115060/115071	16x3x1.5	1.6	34.0±2.0	40.0±2.5	2700	1236
115082/115093	24x3x1.5	1.6	42.0±2.5	48.5±2.5	3950	1802

