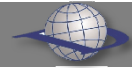


# RFOU 0,6/1 (1.2)kV

Flame retardant halogen-free power cable, Mud resistant



**Draka**  
Prysmian  
Group

## Technical Data

### Application

Fixed installation for power, control and lighting 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. Insulation

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

#### 3. Lay up / Shielding

-Cores laid up in concentric layers

#### 4. Inner covering

-Flame retardant and halogen-free thermoset compound

#### 5. Tape over inner covering

-PET tape

#### 6. Armour/screen

-Tinned annealed copper wire braid

#### 7. Tape over armour/screen

-PET tape

#### 8. Outer sheath

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

#### 9. Outer sheath colour

-Black

### Standards

IEC 60092-353

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:** 0,6/1 (1.2)kV

-**Operating Temperature:** 90°C

-**Flame-retardant**

-**Halogen-Free**

-**NEK TS 606 Code P1/P8**

### Core Identification

#### Normal Type

**1 core:** black

**2 cores:** brown, blue

**3 cores:** brown, black, grey

**4 cores:** blue, brown, grey, black

**5 cores:** blue, brown, black, grey, black

**7+ cores:** white with black numbers

#### G-Type

**3 cores:** yellow/green, blue, brown

**4 cores:** yellow/green, brown, grey,  
black

**5 cores:** yellow/green, blue, brown,  
black, grey

**G / X in cable description - G = One of the cores are yellow/green - X = no yellow/green core**

**Core identification - to HD308S2 - and IEC 60446:2007-05**

### Marking

E.g. "meter" "year" DRAKA 01 RFOU 0,6/1KV P1/P8 3 x 35/16 mm<sup>2</sup> IEC 60332-3-22

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Part Number	No. of cores and cond. area (mm <sup>2</sup> )	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)
110968	1x16/2.5	5,20	10.0±1.0	13.5±1.0	350	90	1.16
110979	1x25/4	6,60	11.5±1.0	15.0±1.0	470	120	0.734
110990	1x35/6	7,70	13.0±1.0	16.5±1.0	640	145	0.529
111001	1x50/6	9,00	15.0±1.0	19.0±1.0	820	180	0.391
111012	1x70/6	10,90	17.0±1.0	20.5±1.5	1060	225	0.27
111023	1x95/10	12,60	19.0±1.0	23.0±1.5	1360	275	0.195
111034	1x120/10	14,20	20.5±1.5	25.0±1.5	1680	320	0.154
111045	1x150/10	15,90	23.0±1.5	27.0±1.5	2010	365	0.126
111056	1x185/10	17,70	25.0±1.5	29.5±1.5	2430	415	0.1
111067	1x240/16	20,15	28.0±1.5	32.5±2.0	3090	490	0.0762
111078	1x300/16	22,60	30.5±2.0	36.0±2.0	3790	560	0.0607
111089	2x1.5/4	1,60	10.0±1.0	13.0±1.0	260	17	12.2
111100	2x2.5/4	2,00	10.5±1.0	14.0±1.0	300	24	7.56
111111	2x4/6	2,55	12.0±1.0	15.5±1.0	400	32	4.7
111122	2x6/6	3,15	13.0±1.0	16.5±1.0	490	41	3.11
111133	2x10/10	4,05	15.0±1.0	18.5±1.0	640	57	1.84
111144	2x16/16	5,15	17.0±1.0	21.5±1.5	910	77	1.16
111155	3x1.5/4	1,60	10.5±1.0	13.5±1.0	290	14	12.2
111166	3x2.5/6	2,00	11.5±1.0	15.0±1.0	370	20	7.56
111177	3x4/6	2,55	12.5±1.0	16.0±1.0	460	27	4.7
111188	3x6/6	3,15	14.0±1.0	17.5±1.0	570	34	3.11
111199	3x10/10	4,05	16.0±1.0	19.5±1.0	740	47	1.84
111210	3x16/16	5,15	18.0±1.0	22.5±1.5	1070	63	1.16
111221	3x25/16	6,40	22.0±1.5	26.5±1.5	1520	84	0.734
111232	3x35/16	7,65	24.5±1.5	29.0±1.5	1880	100	0.529
111243	3x50/25	9,00	29.0±1.5	34.0±2.0	2630	125	0.391
111254	3x70/35	10,85	33.0±2.0	39.0±2.0	3540	160	0.27
111265	3x95/50	12,60	37.5±2.0	43.5±2.5	4660	195	0.195
111276	3x120/60	14,20	41.0±2.5	48.0±2.5	5740	225	0.154
111287	3x150/70	15,90	45.0±2.5	54.0±3.0	7450	255	0.126
111298	3x185/95	16,80	52.0±2.5	62.5±3.5	9600	290	0.1
111309	4x1.5/4	1,60	11.5±1.0	15.0±1.0	360	14	12.2
111320	4x2.5/6	2,00	12.5±1.0	16.0±1.0	440	20	7.56
111331	4x4/6	2,55	13.5±1.0	17.5±1.0	540	27	4.7
111342	4x6/6	3,15	15.0±1.0	19.0±1.0	670	34	3.11
111353	4x10/10	4,05	17.5±1.0	21.5±1.5	900	47	1.84
111364	4x16/16	5,15	20.0±1.5	25.0±1.5	1330	63	1.16
111375	4x25/16	6,40	24.0±1.5	29.0±1.5	1800	84	0.734
111386	4x35/16	7,65	27.5±1.5	32.0±2.0	2340	100	0.529
111397	4x50/25	9,00	32.0±2.0	37.5±2.0	3210	125	0.391
111408	4x70/35	10,85	36.5±2.0	43.0±2.5	4360	160	0.27
111419	4x95/50	12,60	41.5±2.5	48.0±2.5	5750	195	0.195
111430	4x185/95	16,80	55.0±2.5	66.5±3.5	11250	290	0.1



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Part Number	Cond. Ø appr. (mm)	Insul. Thick. (mm)	Ø bedding (mm)	Outer sheath Ø (mm)	Weight approx. (kg/km)	Current rating at 45°C (A)	Resistance at 20°C (ohm/km)
111441	5x1.5/6	1,60	12.5±1.0	16.0±1.0	430	12	12.2
111452	7x1.5/6	1,60	13.5±1.0	17.0±1.0	490	10	12.2
111463	7x2.5/6	2,00	14.5±1.0	18.5±1.0	610	15	7.56
111474	12x1.5/10	1,60	18.0±1.0	22.0±1.5	720	9	12.2
111485	12x2.5/10	2,00	19.5±1.0	24.0±1.5	910	12	7.56
111496	19x1.5/10	1,60	21.0±1.5	25.5±1.5	990	8	12.2
111507	19x2.5/10	2,00	23.0±1.5	27.5±1.5	1260	11	7.56
111518	27x1.5/10	1,60	25.0±1.5	30.0±2.0	1320	6.5	12.2
111529	27x2.5/16	2,00	27.5±1.5	32.5±2.0	1680	9	7.56
111540	37x1.5/16	1,60	28.0±1.5	33.0±2.0	1670	6	12.2
111551	37x2.5/16	2,00	31.5±2.0	36.5±2.0	2190	8	7.56

