

H05VV-F 300/500V

PVC Insulated and Sheathed flexible cable

Technical Data

Application-Installation

Flexible cable for general building installation and for appliances in which the cables are exposed to low mechanical stresses. Cables are suitable for dry and damp locations.

Construction

1.Conductor

-Bare stranded copper

2.Insulation

-PVC

3.Outer Sheath

-PVC dry lubricant

3.Outer Sheath

-PVC dry lubricant

Specifications

HD 21.5-BD:6500

Main Characteristics

-Rated Voltage: 300/500V

-Temperature Range: -30°C to +70°C

Core Identification



	with green / yellow core	without green / yellow core
2 cores		blue,brown 
3 cores	yellow/green,blue,brown 	brown, black,grey 
4 cores	yellow/green,brown, black,grey 	blue,brown,black,grey 
> 5 cores	black cores with white or yellow numbers 	black cores with white or yellow numbers 

Marking

<HAR> USE H05VV-F - 1 x s (s : cross-section in mm²)

H05VV-F 300/500V

PVC Insulated and Sheathed flexible cable

Number of conductors & cross-section nXmm ²	Nominal outer diameter mm	Current rating A	Max. Conductor resistance Ω / km	Voltage Drop mV / A / m	Approx. weight kg / km	Min. bending radius fixed installation mm
2x0,75	7,2	6	26,00	62	55	43,2
2x1	7,5	10	19,50	47	65	45,0
2x1,5	8,6	16	13,30	32	85	51,6
2x2,5	10,6	25	7,98	16	135	63,6
2x4	12,1	32	4,95	12	180	72,6
3x0,75	7,6	6	26,00	54	65	45,6
3x1	8,0	10	19,50	41	75	48,0
3x1,5	9,4	16	13,30	28	105	56,4
3x2,5	11,4	20	7,98	17	170	68,4
3x4	13,1	25	4,95	10	225	78,6
3x6	14,5	38	3,30	6,4	355	87,0
4x0,75	8,3	6	26,00	54	80	49,8
4x1	9,0	10	19,50	41	95	54,0
4x1,5	10,5	16	13,30	28	135	63,0
4x2,5	12,5	20	7,98	17	205	75,0
4x4	14,3	25	4,95	10	275	85,8
4x6	16,0	38	3,30	6,4	435	96,0
5x0,75	9,3	6	26,00	54	95	55,8
5x1	9,8	10	19,50	41	110	58,8
5x1,5	11,6	16	13,30	28	160	69,6
5x2,5	13,9	20	7,98	17	245	83,4
5x4	16,1	25	4,95	10	340	96,6
5x6	18,0	38	3,30	6,4	525	108,0
7x1	12,0	13	19,50	41	145	72,0
7x1,5	14,0	17	13,30	28	210	84,0



H07V-K 450/750V

PVC single core, self-extinguishing & flame-retardant cable

Technical Data

Application

H07V-K cores are principally used for panels and cabinets stranding.

Construction

1. Conductor

- bare copper fine wire stranded, class 5
- cross-section: 1,5-2,5-4-6-10-16-25-35-50-70-95-120-150-185-240mm²

2. Insulation - Sheath

- PVC
- Colour: Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

Standards

IEC 60227-6

HD 21.3

Main Characteristics

- Rated Voltage: 300/500V
- Maximum Conductor Temperature: +70°C
- Flame-retardant
- Minimum recommended installation temperature: - 5°C
- Lowest operation temperature: +60°C

Marking



RFOU 0,6/1 (1.2)kV

Flame retardant halogen-free power cable, Mud resistant



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 CodeP1 / 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 mm² IEC 60332-3-22

RFOU 0,6 / 1 (1.2) kV



Flame retardant halogen-free power cable, Mud resistant

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)
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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RFOU 0,6 / 1 (1.2) kV



Flame retardant halogen-free power cable, Mud resistant

Prysmian
Group

(continue from previous page)

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



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 Exand 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 CodeP3/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



RFOU 6 / 10(12)kV



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

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



RFOU 12/20(24)kV



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

Technical Data

Application

Fixed installation for medium voltage (MV) power in both Exand 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: 12/20(24) kV

-Operating Temperature: 85°C

-Flame-retardant

-Halogen-Free

-NEK TS 606 CodeP19/P21

-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 12/20(24)KV P19/P21 3 x 95/50mm² IEC 60332-3-22



RFOU 12/20(24)Kv



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

Prysmian
Group

Part Number	No. of cores and cond. area (mm ²)	Cond. Ø appr. (mm)	Ø Bending fixed (mm)	Outer sheath Ø (mm)	Weight approx. (kg / km)	Current rating (A)	Resistance at 20°C (ohm / km)
111628	1X 16/13	5,2	46,8	28 ± 1.5	1200	96	1.16
111639	1X 25/13	6,5	58,5	29.5 ± 1.5	1300	127	0.734
111650	1X 35/13	7,4	66,6	31 ± 2	1450	157	0.529
111661	1X 50/15	8,8	79,2	32.5 ± 2	1700	196	0.391
111672	1X 70/13	10,3	92,7	34 ± 2.0	2000	242	0.270
111683	1X 95/17	12,1	108,9	36 ± 2	2400	293	0.195
111694	1X120/15	13,6	122,4	38 ± 2	2650	339	0.154
111705	1X150/15	15,1	135,9	40 ± 2.5	3000	389	0.126
111716	1X185/18	16,8	151,2	41.5 ± 2.5	3500	444	0.100
111727	1X240/23	19,1	171,9	45.0 ± 2.5	4350	522	0.0762
111738	1X300/28	21,5	193,5	47.0 ± 3.0	5200	601	0.0607
111749	3X 16/31	5,2	46,8	55.5 ± 3.0	9300	67	1.16
111760	3X 25/35	6,5	58,5	58.5 ± 3.0	4950	89	0.734
111771	3X 35/35	7,4	66,6	61 ± 3.0	5500	110	0.529
111782	3X 50/35	8,8	79,2	65.5 ± 3.5	6500	137	0.391
111793	3X 70/35	10,3	92,7	68.5 ± 3.5	7500	169	0.270
111804	3X 95/50	12,1	108,9	73.5 ± 4.0	9300	205	0.195
111815	3X120/60	13,6	122,4	77 ± 4.0	10250	237	0.154
111826	3X150/75	15,1	135,9	80.0 ± 4.5	11700	272	0.126
111837	3X 185/45	16,8	151,2	85.0 ± 4.5	12950	311	0.100
111848	3X240/55	19,1	171,9	90.0 ± 4.5	15900	365	0.0762



BFOU 0,6/1 kV



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

Technical Data

Application

Fixed installation for power, control and lighting, in both EX-and safe areas, emergency and critical systems.

Construction

1.Conductor

-Circular, tinned, stranded copper

2. Insulation

-Mica tape / EP-rubber

3.Bedding

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

4.Armour

-Tinned copper wire braid & PETP-tape

5.Outer sheath

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

6.Colour

-Black

Standards

IEC 60092-353
IEC 60228 class 2
IEC 60092-351
IEC 60092-359
IEC 60332-1
IEC 60332-3-22
IEC 60331-21
IEC 60754-1,2
IEC 61034-1,2

Main Characteristics

-Rated Voltage: 0,6/1kV
-Operating Temperature: 90°C
-Flame-retardant
-Fire resistant
-Halogen-Free
-NEK 606 Code P5/P12
-MGT/EPR/EPR/TCWB/EVA

Core Identification

1 core: Grey (Off-white)
2 cores: Grey (Off-white) - Black
3 cores: Grey (Off-white) - Black - Red
4 cores: Grey (Off-white) - Black - Red - Blue
5 cores: Grey (Off-white) - Black - Red - Blue - Black
5+ cores: Black numbers on white base

Earth core: Yellow/green

Marking

E.g; "meter" "year" DRAKA NORSE KABEL BFOU 0,6/1kV P5/P12 3x25/16 mm² FLEX-FLAME IEC 60331 IEC 60332-3/A "CE"



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

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)
113003	1x16/2.5	5.2	10.5±1.0	13.5±1.0	360	90	1.16
113014	1x25/4	6.6	12.0±1.0	15.0±1.0	480	120	0.734
113025	1x35/6	7.7	13.5±1.0	17.0±1.0	650	145	0.529
113036	1x50/6	9.00	15.5±1.0	19.0±1.0	830	180	0.391
113047	1x70/6	10.9	17.0±1.0	21.0±1.5	1070	225	0.27
113058	1x95/10	12.6	19.0±1.0	23.5±1.5	1380	275	0.195
113069	1x120/10	14.2	21.0±1.5	25.5±1.5	1700	320	0.154
113080	1x150/10	15.9	23.5±1.5	27.5±1.5	2030	365	0.126
113091	1x185/10	17.7	25.5±1.5	30.0±2.0	2470	415	0.1
113102	1x240/16	20.15	28.5±1.5	33.0±2.0	3130	490	0.0762
113113	1x300/16	22.6	31.0±2.0	36.5±2.0	3820	560	0.0607
113124	2x1.5/4	1.6	10.5±1.0	13.5±1.0	280	17	12.2
113135	2x2.5/4	2.00	11.5±1.0	14.5±1.0	320	24	7.56
113146	2x4/6	2.55	12.5±1.0	16.0±1.0	420	32	4.7
113157	2x6/6	3.15	13.5±1.0	17.5±1.0	510	41	3.11
113168	2x10/10	4.05	15.5±1.0	19.5±1.0	680	57	1.84
113179	2x16/16	5.15	17.5±1.0	22.5±1.5	960	77	1.16
113190	3x1.5/4	1.6	11.0±1.0	14.5±1.0	310	14	12.2
113201	3x2.5/6	2.00	12.0±1.0	15.5±1.0	400	20	7.56
113212	3x4/6	2.55	13.5±1.0	17.0±1.0	500	27	4.7
113223	3x6/6	3.15	14.5±1.0	18.5±1.0	590	34	3.11
113234	3x10/10	4.05	16.5±1.0	20.5±1.5	780	47	1.84
113245	3x16/16	5.15	19.0±1.0	23.5±1.5	1130	63	1.16
113256	3x25/16	6.4	22.5±1.5	27.0±1.5	1510	84	0.734
113267	3x35/16	7.65	25.5±1.5	30.0±2.0	1930	100	0.529
113278	3x50/25	9.00	29.5±1.5	34.5±2.0	2640	125	0.391
113289	3x70/35	10.85	34.5±2.0	40.5±2.5	3630	160	0.27
113300	3x95/50	12.6	38.0±2.0	44.5±2.5	4720	195	0.195
113311	3x120/60	14.2	41.5±2.5	48.5±2.5	5820	225	0.154
113322	3x150/70	15.9	46.5±2.5	54.5±3.0	7210	255	0.126
113333	3x185/95	16.8	52.0±3.0	61.5±3.5	9400	290	0.1
113344	3x1.5+E	1.6	12.0±1.0	16.0±1.0	390	14	12.2
113355	3x2.5+E	2.00	13.0±1.0	17.0±1.0	470	20	7.56
113366	3x4+E	2.55	14.5±1.0	18.5±1.0	580	27	4.7
113377	3x6+E	3.15	16.0±1.0	20.0±1.5	700	34	3.11
113388	3x10+E	4.05	18.0±1.0	22.5±1.0	930	47	1.84
113399	3x16+E	5.15	21.0±1.5	25.0±1.5	1350	63	1.16
113410	3x25+E	6.4	25.0±1.5	29.5±1.5	1850	84	0.734
113421	3x35+E	7.65	28.0±1.5	33.0±2.0	2370	100	0.529
113432	3x50+E	9.00	33.0±2.0	38.5±2.0	3280	125	0.391
113443	3x70+E	10.85	37.0±2.0	43.0±2.5	4340	160	0.27
113454	3x95+E	12.6	42.5±2.5	48.5±2.5	5700	195	0.195
113465	3x120+E	14.2	46.0±2.5	52.5±3.0	7000	225	0.154
113476	4x1.5/6	1.6	12.0±1.0	16.0±1.0	390	14	12.2
113487	4x2.5/6	2.00	13.0±1.0	17.0±1.0	470	20	7.56
113498	4x4/6	2.55	14.5±1.0	18.5±1.0	580	27	4.7
113509	4x6/6	3.15	16.0±1.0	20.0±1.5	700	34	3.11
113520	4x10/10	4.05	18.0±1.0	22.5±1.0	930	47	1.84

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BFOU 0,6 / 1 kV



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

Prysmian
Group

(continue from previous page)

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)
113531	4x16/16	5.15	21.0±1.5	26.0±1.5	1370	63	1.16
113542	4x25/16	6.4	25.0±1.5	29.5±1.5	1850	84	0.734
113553	4x35/16	7.65	28.0±1.5	33.0±2.0	2370	100	0.529
113564	4x50/25	9,00	33.0±2.0	38.5±2.0	3280	125	0.391
113575	4x70/35	10.85	37.0±2.0	43.5±2.5	4390	160	0.27
113586	4x95/50	12.6	42.5±2.5	49.0±2.5	5830	195	0.195
113597	4x120/60	14.2	46.0±2.5	53.5±3.0	7180	225	0.154
113608	4x185/95	16.8	58.0±3.0	68.5±3.5	12000	290	0.1
113619	5x1.5/6	1.6	13.0±1.0	17.0±1.0	460	12	12.2
113630	7x1.5/6	1.6	14.5±1.0	18.0±1.0	520	10	12.2
113641	7x2.5/6	2,00	15.5±1.0	19.5±1.0	650	15	7.56
113652	12x1.5/10	1.6	19.0±1.0	23.0±1.5	780	9	12.2
113663	12x2.5/10	2,00	21.0±1.5	25.0±1.5	980	12	7.56
113674	19x 1.5/10	1.6	22.5±1.5	27.0±1.5	1080	8	12.2
113685	19x 2.5/10	2,00	24.5±1.5	29.0±1.5	1350	11	7.56
113696	27x 1.5/10	1.6	27.0±1.5	31.5±2.0	1440	6.5	12.2
113707	27x 2.5/16	2,00	29.5±1.5	34.5±2.0	1810	9	7.56
113718	37x 1.5/16	1.6	30.5±2.0	35.5±2.0	1840	6	12.2
113729	37x 2.5/16	2,00	33.5±2.0	39.0±2.0	2370	8	7.56



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 NORSE KABEL BFOU 6/10(12)kV P7/P14 1x150mm² FLEX-FLAME IEC 60331 IEC 60332-3/A



BFOU 6 / 10(12)kV



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

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)
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



H01N2-D 200V

Welding cable harmonized, flexible



Technical Data

Application-Installation

Industry, and especially the steel construction, consumes steel in various forms: metal sheets, tubes and so on. Consequently the trade of welding is dominating in this activity. Nexans is present on this market, and proposes to its customers a range of welding cables which is characterized by a high flexibility. Electrical supply of moving welding machines. This cable connects the welding equipment to the electrode holder. It is also recommended for all flexible links working under a low voltage. The flexible conductors and the reinforced sheath give to the cables H01N2-D a high flexibility.

Construction

1. Conductor

- bare copper
- extra-flexible class 6

2. Insulation

- Tape (optional)

3. Outer Sheath

- PCP-Polychloroprene rubber
- standard colour **black**

Standards

HD 22.4
IEC 60228
NF C 32-013
C2
NF C 32-070

Main Characteristics

- Rated Voltage: 200V
- Maximum Conductor Temperature: +85°C
- Flame-retardant
- Smoke emission
- Operating temperature, range: -25°C...60°C



Marking

<HAR> USE H01N2-D - 1 x s coil of 100m, s : cross-section in mm²

Part Number	Number of conductors & cross-section nXmm ²	Conductor Ø mm	Nominal outer diameter mm	Approximate weight kg / m	Current rating A	Min. bending radius fixed installation mm
120087	1x 16	5,3	11,0	0,203	130	29,0
120098	1x 25	6,8	12,7	0,284	172	34,0
120109	1x 35	7,6	14,2	0,382	216	37,6
120120	1x 50	8,8	16,5	0,524	273	44,0
120131	1x 70	11,3	15,3	0,729	340	50,5
120142	1x 95*	12,9	21,4	0,962	412	58,0
120153	1x 120*	14	24,0	1,187	480	65,0

*cut to length

H01N2-E 200V

Welding cable harmonized,extra flexible



Technical Data

Application-Installation

Industry, and especially the steel construction, consumes steel in various forms: metal sheets, tubes and so on. Consequently the trade of welding is dominating in this activity. Nexans is present on this market, and proposes to its customers a range of welding cables which is characterized by an extreme flexibility. Electrical supply of moving welding machines. This cable connects the welding equipment to the electrode holder. It is also recommended for all flexible links working under a low voltage. The flexible conductors give to the cables H01N2-E an extreme flexibility.

Construction

1.Conductor

- bare copper
- extra-flexible class 6

2.Insulation

- Tape (optional)

3.Outer Sheath

- PCP-Polychloroprene rubber
- standard colour **black**

Standards

HD 22.4
IEC 60228
NF C 32-013
C2
NF C 32-070

Main Characteristics

- Rated Voltage: 200V
- Maximum Conductor Temperature: +85°C
- Flame-retardant
- Smoke emission
- Operating temperature,range -25°C...60°C



Marking

<'har> USE H01N2-E - 1 x s cut to length,s : cross-section in mm²

Part Number	Number of conductors& cross-section nXmm ²	Conductor Ø mm	Nominal outer diameter mm	Approx. weight kg / m	Current rating A	Min.bending radius fixed installation mm
120164	1x 16	4,9	9,6	0,181		
120175	1x 25	6,4	11,0	0,270		
120186	1x 35	7,4	12,5	0,363		
120197	1x 50	8,9	15,0	0,528		
120208	1x 70	11,2	17,0	0,716		
120219	1x 95	13,0	19,5	0,894		
120230	1x 120	16,0	21,5	0,948		

H07RN-F TITANEX® 450/750V

Industrial flexible cable, lead-free



Technical Data

Application-Installation

TITANEX® flexible cable is intended for installations with moving equipment, electric appliances and for building sites. The cable may be rated 0,6/1 kV where the installation has built-in protection and for motors in lifting appliances - machine tools - etc. This cable can be used in refrigerating installations.

This cable can be installed in open air or be buried but with extra mechanical protection.

Construction

1. Conductors

-Bare copper, laid up in concentric layers

2. Insulation

-Special cross-linked elastomer

3. Outer Sheath

-Special cross-linked elastomer, lead-free

-standard colour **black**

Standards

HD 22.4

IEC 60228, class 5

HD 516

IEC 60245-4 type 66

Main Characteristics

-Rated Voltage:	250/750V
-Maximum Conductor Temperature:	+85°C for continuous operating +60°C for normal use +200°C in short circuit
-Chemical resistance:	Accidental
-Mechanical resistance to impacts	
-Flame-retardant	
-Water-proof	
-Operating temperature, range:	-25°C...55°C

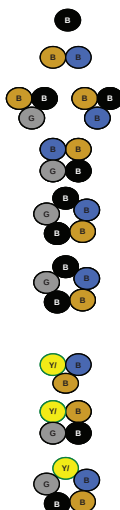
Core Identification

Normal Type

1 core:	black
2 cores:	brown, blue
3 cores:	> 4 mm ² : brown, black, grey 1,5 & 2,5 mm ² : brown, black, blue
4 cores:	blue, brown, grey, black
5 cores:	blue, brown, black, grey, black
5+ cores:	blue, brown, black, grey, black

G-Type

3 cores:	yellow/green, blue, brown
4 cores:	yellow/green, brown, grey, black
5 cores:	yellow/green, blue, brown, black, grey



Marking

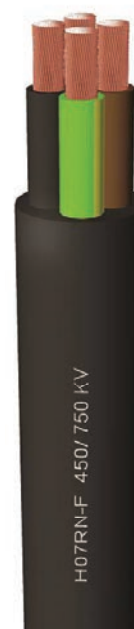
<'har>N (x or G) S TITANEX®, N=number of cores, G=with Green-Yellow, x=without Green-Yellow, S=section mm²

H07RN-F TITANEX® 450/750V



Industrial flexible cable, lead-free

Part Number	Number of conductors & cross-section nXmm ²	Outer Ø mm		Approx. weight kg / km	Current rating A	Min. bending radius fixed installation mm	Packaging	
		min.	max.					
120241	1x1,5	5,7	7,1	50	23	21,3	Coil	100m
120252	1x2,5	6,3	7,9	66	32	23,7	Coil	100m
120263	1x4	7,2	9,0	94	43	27,0	Coil	100m
120274	1x240	30,6	38,3	2730	559	114,9	Drum	500m
120285	1x300	33,5	41,9	3480	637	125,7	Drum	500m
120296	1x400	37,4	46,8	4510	746	140,4	Drum	500m
120307	2x1	7,7	10,0	99	18	30,0	Coil	100m
120318	2x1,5	8,5	11,0	111	23	33,0	Coil	100m
120329	2x1,5	8,5	11,0	111	23	33,0	Drum	1000m
120340	2x2,5	10,2	13,1	161	32	39,3	Coil	100m
120351	2x2,5	10,2	13,1	161	32	39,3	Drum	500m
120362	2x4	11,8	15,1	238	43	45,3	Coil	100m
120373	3G1	8,3	10,7	113	18	32,1	Coil	100m
120384	3G1,5	9,2	11,9	134	23	35,7	Coil	100m
120395	3G1,5	9,2	11,9	134	23	35,7	Drum	500m
120406	3G1,5	9,2	11,9	134	23	35,7	Drum	1000m
120417	3G2,5	10,9	14,0	195	32	42,0	Coil	100m
120428	3G2,5	10,9	14,0	195	32	42,0	Drum	500m
120439	3G4	12,7	16,2	290	43	48,6	Coil	100m
120450	3G4	12,7	16,2	290	43	48,6	Drum	500m
120461	3G6	14,1	18,0	346	56	54,0	Coil	100m
120472	4G1	9,6	12,0	144	16	36,0	Coil	100m
120483	4G1,5	10,2	13,1	165	21	39,3	Coil	100m
120494	4G1,5	10,2	13,1	165	21	39,3	Drum	1000m
120505	4G2,5	12,5	15,5	245	29	46,5	Coil	100m
120516	4G2,5	12,5	15,5	245	29	46,5	Drum	500m
120527	4G4	14,0	18,0	357	38	54,0	Coil	100m
120538	4G4	14,0	18,0	357	38	54,0	Drum	500m
120549	4G6	15,7	20,0	443	50	60,0	Coil	100m
120560	4G10	20,8	26,5	818	68	79,5	Drum	500m
120571	4G35	32,5	41,1	2180	150	123,3	Drum	500m
120582	5G1	10,9	14,0	180	16	42,0	Coil	100m
120593	5G1,5	11,2	14,4	238	21	43,2	Coil	100m
120604	5G1,5	11,2	14,4	238	21	43,2	Drum	500m
120615	5G2,5	13,3	17,0	297	29	51,0	Coil	100m
120626	5G2,5	13,3	17,0	297	29	51,0	Drum	500m
120637	5G4	15,6	19,9	453	38	59,7	Coil	100m
120648	5G4	15,6	19,9	453	38	59,7	Drum	500m
120659	5G6	17,5	22,2	557	50	66,6	Coil	100m
120670	5G6	17,5	22,2	557	50	66,6	Drum	500m



H05RR-F 300/500V

Flexible cables, insulation and outer sheath in Elastomer, for domestic use.



Technical Data

Application

Flexible cables H05RR-F for mobile or semi-fixed small appliance, especially those producing of heat (boiling appliance, radiator, etc). Installation in open air.

Construction

1. Conductor

- bare copper
- flexible, class 5

2. Insulation

- Cross-linked synthetic elastomer type EI 4

3. Outer Sheath

- Elastomer
- standard colour **black**

Standards

- IEC 60298
- IEC 60245
- HD 22.4

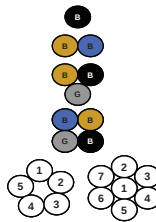
Main Characteristics

- Rated Voltage: 300/500V
- Maximum Conductor Temperature: +60°C
- Operating temperature, range: -5°C...60°C

Core Identification

Normal Type

- 1 core:** black
- 2 cores:** brown, blue
- 3 cores:** brown, black, grey
- 4 cores:** blue, brown, grey, black
- 5+ cores:** black numbers on white base



G-Type

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



Packaging

In coils of 50m.

Marking

H05RR-F nB (x or G) Smm² 269 NEXANS



H05RR-F 300/500V

Flexible cables, insulation and outer sheath in Elastomer, for domestic use.

Part Number	Number of conductors & cross-section nXmm ²	Maximum outer diameter mm	Approximate weight kg / km	Current rating A	Min.bending radius fixed installation mm
120681	2x0,75	8,2	56	14	24,6
120692	2x1	8,8	68	15	26,4
120703	2x1,5	10,5	101	20	31,5
120714	2x2,5	12,5	145	26	37,5
120725	3G0,5		55		
120736	3G0,75	8,8	72	14	26,4
120747	3G1	9,2	82	15	27,6
120758	3G1,5	11,0	120	20	33,0
120769	3G2,5	13,0	180	26	39,0
120780	3G4		270		
120791	3G6		350		
120802	4G0,75	9,6	86	12	28,8
120813	4G1	10,0	98	14	30,0
120824	4G1,5	15,2	155	18	45,6
120835	4G2,5	14,0	225	24	42,0
120846	4G4		330		
120857	4G6		440		
120868	5G0,75	11,0	109	12	33,0
120879	5G1	11,5	125	14	34,5
120890	5G1,5	13,5	185	18	40,5
120901	5G2,5	15,5	282	24	46,5



Buflex® DGR 0.6 / 1kV

Control and Power Reeling Cables



Technical Data

Application

Cables with reinforced polyurethan sheath, especially designed for reeling applications. Due to high mechanical properties of PUR, Buflex cables could be used in hard conditions as quarries, mines etc.

Construction

1. Conductor

- plain copper
- flexible class 5

2. Insulation

- XLPE

3. Filler + Inner Sheath

4. Reinforcement

- anti twist element

3. Outer Sheath

- Heavy polyurethan, PUR
- standard colour **yellow**

Standards

IEC 60228

IEC 60332

Main Characteristics

- **Rated Voltage:** 0.6/1(1.2)kV
- **Maximum Conductor Temperature:** +90°C
- **Flame-retardant**
- **Moisture, UV and ozone resistant**
- **Surface temperature, range** -40°C...80°C

Core Identification

•Control

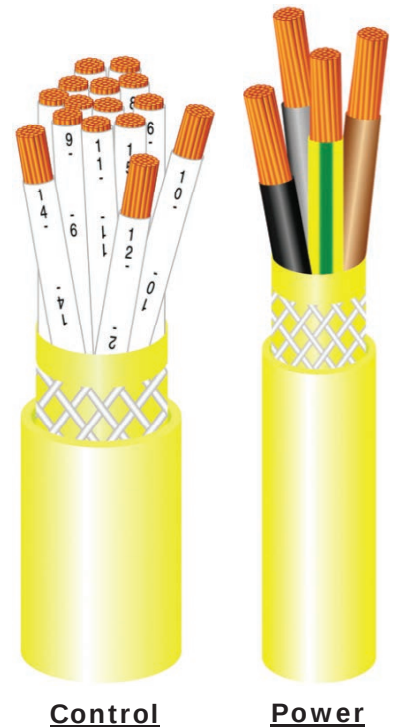
white with black printed numbers

•Power

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



(3 earth cores for sizes ≥ 25mm²)



Control

Power

Marking

BUFLEX DGR - 0.6/1 Kv Number of cores - cross-section NEXANS - year - week

Buflex® DGR 0.6/1kV



Control and Power Reeling Cables

Power

Part Number	Number of conductors & cross-section nXmm ²	Nominal outer Ø mm	Approximate weight kg / m	Current rating A	Min. bending radius reel. operation mm
121022	4 G 2,5	11,5	0,180	30	92,0
121033	4 G 4	13,0	0,260	40	104,0
121044	4 G 6	14,5	0,370	52	116,0
121055	4 G 10	17,0	0,580	71	136,0
121066	4 G 16	21,5	0,920	96	172,0
121077	3 x 25 + 3 G 6	25,5	1,240	127	204,0
121088	3 x 35 + 3 G 6	29,5	1,640	157	236,0
121099	3 x 50 + 3 G 10	32,5	2,240	190	260,0
121110	3 x 70 + 3 G 16	37,5	3,100	242	300,0
121121	3 x 95 + 3 G 16	42,0	3,890	293	336,0
121132	3 x 120 + 3 G 25	47,0	5,080	339	376,0
121143	3 x 150 + 3 G 25	52,5	6,160	390	420,0
121154	3 x 185 + 3 G 35	58,5	7,680	444	468,0
121165	3 x 240 + 3 G 50	64,5	9,870	522	516,0
121176	3 x 300 + 3 G 50	72,5	12,300	595	580,0
121187	5 G 2,5	12,5	0,220		100,0
121198	5 G 4	14,5	0,320		116,0
121209	5 G 6	16,5	0,450		132,0
121220	5 G 10	20,0	0,700		160,0
121231	5 G 16	24,0	1,100		192,0
121242	5 G 25	29,5	1,550		236,0
121253	5 G 35	33,5	2,050		268,0



Control

Part Number	Number of conductors & cross-section nXmm ²	Nominal outer Ø mm	Approximate weight kg / m	Current rating A	Min. bending radius reel. operation mm
121264	7 x 1,5	13,0	0,210		104,0
121275	12 x 1,5	17,5	0,330	11	140,0
121286	18 x 1,5	17,5	0,410	9	140,0
121297	24 x 1,5	21,5	0,680	7	172,0
121308	36 x 1,5	24,0	0,900	4	192,0
121319	7 x 2,5	14,0	0,030		112,0
121330	12 x 2,5	20,5	0,610	16	164,0
121341	18 x 2,5	20,5	0,740	12	164,0
121352	24 x 2,5	24,5	1,050	9	196,0
121363	36 x 2,5	28,0	1,430	6	224,0
121374	42 x 2,5	29,5	1,500		236,0
121385	26 x 2,5 + (4 x 2,5)C	27,0	1,260		216,0

