

H07RN8-F Submersible

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H07RN8-F is a harmonized, heavy-duty, flexible, rubber insulated, black neoprene jacketed, multi-conductor European submersible pump cable. Designed for use in submersible pumps and applications for permanent use in water and under high mechanical stress. Recommended immersion depth is 10 meters with a max water temp of +40° C. Commonly found in connecting electrical equipment in industrial water as floater switches and other flexible applications found in indoor and outdoor swimming pools. The special outer rubber jacket is ozone, UV and oil resistant. If in a fixed or protected installation Uo/U is 600/1000 volts. Can be used in dry, damp and wet areas as well as outdoors.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Rubber core insulation to VDE-0282 Part-1
- Color code VDE-0293-308 and HD 186
- Polychloroprene rubber (neoprene) jacket
- Ozone, UV & weather resistant
- Permanent use in water

Technical:

- Working voltage: 450/750 volts
- Test voltage: 2500 volts
- Flexing bending radius: 6.0 x Ø
- Fixed bending radius: 4.0 x Ø
- Flexing Temp: -25° C to +60° C
- Fixed Temp: -40° C to +60° C
- Max Water Temp: +40° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- <HAR> HD22.16 S1
- VDE-0282 Part-16
- CE low voltage directive 73/23/EEC & 93/68/EEC.
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
17 AWG (32/32) 1,00mm2				
4181702	2	0.303 - 0.394" / 7.7 - 10.0mm	13	66
4181703	3	0.327 - 0.421" / 8.3 - 10.7mm	19	87
4181704	4	0.362 - 0.469" / 9.2 - 11.9mm	25	101
4181705	5	0.402 - 0.516" / 10.2 - 13.1mm	32	117
16 AWG (30/30) 1,50mm2				
4181601	1	0.224 - 0.280" / 5.7 - 7.1mm	10	39
4181602	2	0.335 - 0.433" / 8.5 - 11.0mm	19	91
4181603	3	0.362 - 0.469" / 9.2 - 11.9mm	29	108
4181604	4	0.402 - 0.516" / 10.2 - 13.1mm	39	136
4181605	5	0.441 - 0.567" / 11.2 - 14.4mm	48	160
4181606	6	0.528 - 0.677" / 13.4 - 17.2mm	58	115
4181607	7	0.571 - 0.689" / 14.5 - 17.5mm	68	252
4181612	12	0.693 - 0.882" / 17.6 - 22.4mm	117	309
14 AWG (50/30) 2,50mm2				
4181401	1	0.248 - 0.311" / 6.3 - 7.9mm	16	48
4181402	2	0.402 - 0.516" / 10.2 - 13.1mm	32	129
4181403	3	0.429 - 0.551" / 10.9 - 14.0mm	48	155
4181404	4	0.476 - 0.610" / 12.1 - 15.5mm	64	189
4181405	5	0.524 - 0.669" / 13.3 - 17.0mm	80	223
4181406	6	0.618 - 0.787" / 15.7 - 20.0mm	97	187
4181407	7	0.650 - 0.799" / 16.5 - 20.3mm	113	349
4181412	12	0.811 - 1.031" / 20.6 - 26.2mm	193	510
12 AWG (56/28) 4,00mm2				
4181201	1	0.283 - 0.354" / 7.2 - 9.0mm	25	67
4181202	2	0.465 - 0.594" / 11.8 - 15.1mm	52	178
4181203	3	0.500 - 0.638" / 12.7 - 16.2mm	77	216
4181204	4	0.551 - 0.705" / 14.0 - 17.9mm	103	263
4181205	5	0.614 - 0.783" / 15.6 - 19.9mm	129	321
10 AWG (84/28) 6,00mm2				
4181001	1	0.311 - 0.386" / 7.9 - 9.8mm	39	87
4181003	3	0.555 - 0.709" / 14.1 - 18.0mm	116	284
4181004	4	0.618 - 0.787" / 15.7 - 20.0mm	154	356
4181005	5	0.689 - 0.874" / 17.5 - 22.2mm	193	437

Sizes continued on next page.

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H07RN8-F Sizes Continued. (8 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
8 AWG (80/26) 10,0mm²				
4180801	1	0.374 - 0.469" / 9.5 - 11.9mm	64	141
4180803	3	0.752 - 0.953" / 19.1 - 24.2mm	193	538
4180804	4	0.823 - 1.043" / 20.9 - 26.5mm	258	645
4180805	5	0.902 - 1.146" / 22.9 - 29.1mm	322	779
6 AWG (128/26) 16,0mm²				
4180601	1	0.425 - 0.528" / 10.8 - 13.4mm	103	202
4180603	3	0.858 - 1.087" / 21.8 - 27.6mm	309	759
4180604	4	0.937 - 1.185" / 23.8 - 30.1mm	412	921
4180605	5	1.039 - 1.311" / 26.4 - 33.3mm	515	1129
4 AWG (200/26) 25,0mm²				
4180401	1	0.500 - 0.622" / 12.7 - 15.8mm	161	283
4180403	3	1.028 - 1.299" / 26.1 - 33.0mm	483	838
4180404	4	1.138 - 1.441" / 28.9 - 36.6mm	644	1309
4180405	5	1.260 - 1.591" / 32.0 - 40.4mm	805	1509
2 AWG (280/26) 35,0mm²				
4180201	1	0.563 - 0.705" / 14.3 - 17.9mm	225	370
4180203	3	1.154 - 1.461" / 29.3 - 37.1mm	676	1274
4180204	4	1.280 - 1.618" / 32.5 - 41.1mm	901	1722
1 AWG (400/26) 50,0mm²				
4180101	1	0.650 - 0.811" / 16.5 - 20.6mm	322	510
4180103	3	1.343 - 1.689" / 34.1 - 42.9mm	966	1743
4180104	4	1.484 - 1.870" / 37.7 - 47.5mm	1288	2140
2/0 AWG (356/24) 70,0mm²				
4182101	1	0.732 - 0.917" / 18.6 - 23.3mm	451	665
4182103	3	1.512 - 1.902" / 38.4 - 48.3mm	1352	2280
4182104	4	1.681 - 2.126" / 42.7 - 54.0mm	1803	2857
3/0 AWG (485/24) 95,0mm²				
4183101	1	0.819 - 1.024" / 20.8 - 26.0mm	612	859
4183103	3	1.705 - 2.126" / 43.3 - 54.0mm	1835	2984
4183104	4	1.906 - 2.402" / 48.4 - 61.0mm	2447	3756
4/0 AWG (614/24) 120,0mm²				
4184101	1	0.898 - 1.126" / 22.8 - 28.6mm	773	1068
4184103	3	1.866 - 2.362" / 47.4 - 60.0mm	2318	3474
4184104	4	2.087 - 2.598" / 53.0 - 66.0mm	3091	4581
300 MCM (765/24) 150,0mm²				
4183001	1	0.992 - 1.236" / 25.2 - 31.4mm	966	1311
4183004	4	2.283 - 2.874" / 58.0 - 73.0mm	3863	5580
350 MCM (944/24) 185,0mm²				
4183501	1	1.087 - 1.354" / 27.6 - 34.4mm	1191	1546
4183504	4	2.520 - 3.150" / 64.0 - 80.0mm	4765	6573
500 MCM (1221/24) 240,0mm²				
4185001	1	1.205 - 1.508" / 30.6 - 38.3mm	1545	2083
4185004	4	2.835 - 3.583" / 72.0 - 91.0mm	6181	8115

* Additional AWG/MCM sizes and core counts may be available.

Harmonized Cordage