

## H07BN4-F +90° C

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**H07BN4-F** is a harmonized, heavy-duty, flexible, EPR rubber insulated, special black polychloroprene jacketed, multi-conductor European cord. Recommended for use in electrical equipment under high mechanical stress in a dry or damp indoor or outdoor environment. Commonly used on equipment in industry works such as boilers, heating plates, hand lamps, electric tools (drills and circular saws), in homework tools and transportable motors or machines at site. Also suitable for fixed installations on plaster, temporary buildings and residential barracks. **H07BN4-F** is also suitable for use in wind energy applications found in the construction of wind turbines. If used in a fixed installation Uo/U voltage is 600/1000 volts. The polychloroprene jacket is weather and ozone resistant making this cable suitable for outdoor use and carries an improved temperature range of up to +90 Deg C.



### Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- EPR Rubber core insulation
- Color code VDE-0293-308
- Special polychloroprene rubber jacket
- UV, weather resistant
- Torsion, abrasion & oil resistant

- Maximum Short Circuit Temp: +250° C

### Technical:

- Working voltage: 450/750 volts
- Fixed voltage: 600/1000 volts
- Test voltage: 2500 volts
- Minimum bending radius: 6.0 x Ø
- Temp range: -35° C to +90° C
- Wind energy: -15° C to +90° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

### Approvals:

- <HAR> HD22.12 S1
- VDE-0282 Part-12
- CE low voltage directive 73/23/EEC & 93/68/EEC.
- IEC 60245-4 type 66
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>17 AWG (32/32) 1,00mm2</b>				
4411702	2	0.327" / 8.3mm	13	59
4411703	3	0.354" / 9.0mm	19	71
4411704	4	0.390" / 9.9mm	25	89
4411705	5	0.429" / 10.9mm	32	109
<b>16 AWG (30/30) 1,50mm2</b>				
4411601	1	0.232" / 5.9mm	10	34
4411602	2	0.366" / 9.3mm	19	76
4411603	3	0.394" / 10.0mm	29	92
4411604	4	0.433" / 11.0mm	39	114
4411605	5	0.476" / 12.1mm	48	140
4411607	7	0.579" / 14.7mm	68	258
4411612	12	0.740" / 18.8mm	117	309
4411618	18	0.866" / 22.0mm	174	444
4411624	24	1.012" / 25.7mm	232	573
4411636	36	1.157" / 29.4mm	347	808
<b>14 AWG (50/30) 2,50mm2</b>				
4411401	1	0.260" / 6.6mm	16	44
4411402	2	0.437" / 11.1mm	32	111
4411403	3	0.480" / 12.2mm	48	133
4411404	4	0.516" / 13.1mm	64	166
4411405	5	0.567" / 14.4mm	80	203
4411407	7	0.673" / 17.1mm	113	298
4411412	12	0.866" / 22.0mm	193	441
4411419	19	1.024" / 26.0mm	290	645
4411424	24	1.205" / 30.6mm	386	841
4411436	36	1.386" / 35.2mm	590	1202
<b>12 AWG (56/28) 4,00mm2</b>				
4411201	1	0.295" / 7.5mm	25	60
4411202	2	0.496" / 12.6mm	52	149
4411203	3	0.531" / 13.5mm	77	181
4411204	4	0.587" / 14.9mm	103	226
4411205	5	0.654" / 16.6mm	129	284
4411207	7	0.772" / 19.6mm	185	415
4411212	12	1.008" / 25.6mm	309	623

Sizes continued on next page.

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### H07BN4-F Sizes Continued. ( 10 AWG & Larger )

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>10 AWG (84/28) 6,00mm<sup>2</sup></b>				
4411001	1	0.323" / 8.2mm	39	78
4411002	2	0.559" / 14.2mm	77	197
4411003	3	0.598" / 15.2mm	116	241
4411004	4	0.665" / 16.9mm	154	307
4411005	5	0.736" / 18.7mm	193	383
<b>8 AWG (80/26) 10,0mm<sup>2</sup></b>				
4410801	1	0.398" / 10.1mm	64	121
4410802	2	0.760" / 19.3mm	129	355
4410803	3	0.815" / 20.7mm	193	437
4410804	4	0.886" / 22.5mm	258	545
4410805	5	0.976" / 24.8mm	322	665
<b>6 AWG (128/26) 16,0mm<sup>2</sup></b>				
4410601	1	0.449" / 11.4mm	103	167
4410603	3	0.925" / 23.5mm	309	603
4410604	4	1.012" / 25.7mm	412	753
4410605	5	1.122" / 28.5mm	515	932
<b>4 AWG (200/26) 25,0mm<sup>2</sup></b>				
4410401	1	0.520" / 13.2mm	161	239
4410403	3	1.083" / 27.5mm	483	863
4410404	4	1.201" / 30.5mm	644	1106
4410405	5	1.327" / 33.7mm	805	1362
<b>2 AWG (280/26) 35,0mm<sup>2</sup></b>				
4410201	1	0.567" / 14.4mm	225	314
4410203	3	1.169" / 29.7mm	676	1103
4410204	4	1.201" / 30.5mm	901	1414
<b>1 AWG (400/26) 50,0mm<sup>2</sup></b>				
4410101	1	0.673" / 17.1mm	322	439
4410103	3	1.406" / 35.7mm	966	1559
4410104	4	1.555" / 39.5mm	1288	2003
<b>2/0 AWG (356/24) 70,0mm<sup>2</sup></b>				
4412101	1	0.760" / 19.3mm	451	590
4412103	3	1.579" / 40.1mm	1352	2072
4412104	4	1.756" / 44.6mm	1803	2674
<b>3/0 AWG (485/24) 95,0mm<sup>2</sup></b>				
4413101	1	0.874" / 22.2mm	612	770
4413103	3	1.831" / 46.5mm	1835	2733
4413104	4	2.047" / 52.0mm	2447	3558
<b>4/0 AWG (614/24) 120,0mm<sup>2</sup></b>				
4414101	1	0.933" / 23.7mm	773	946
4414103	3	1.945" / 49.4mm	2318	3305
4414104	4	2.157" / 54.8mm	3091	4269
<b>300 MCM (765/24) 150,0mm<sup>2</sup></b>				
4413001	1	1.035" / 26.3mm	966	1173
4413004	4	2.413" / 61.3mm	3863	5325
<b>350 MCM (944/24) 185,0mm<sup>2</sup></b>				
4413501	1	1.157" / 29.4mm	1191	1427
4413504	4	2.701" / 68.6mm	4765	6511
<b>500 MCM (1221/24) 240,0mm<sup>2</sup></b>				
4415001	1	1.240" / 31.5mm	1545	1810
4415004	4	3.209" / 81.5mm	6181	8461

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

Harmonized Cordage