

# EUROPEAN STANDARDIZED CABLES

## H07RN-F Heavy Duty Neoprene jacketed harmonized cordage 450/750 volts



### HAR VDE CE



H07RN-F recommended use in dry, humid or moist rooms, in open air, in workshops having an explosive atmosphere; for medium mechanical stresses, eg. for industrial and agricultural workshops appliances, large boiling installations, heating plates, inspection lamps, electrical tools such as drills, circular saws, domestic electric tools, and also for transportable motors or machines on building sites or in agricultural workings, etc: also for fixed installations, eg. on rough-cast in temporary buildings and huts for accommodation purposes; suitable for the wiring of constructional components in lifting appliances, machinery, etc.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	synthetic rubber, EI4 acc. to DIN VDE 0282 part 1 + HD 22.1
<b>Color Code:</b>	acc. to HD 308 (VDE 0293-308)
<b>Stranding:</b>	from 2 conductors stranded in layers
<b>Jacket material:</b>	synthetic rubber, EM2 acc. to DIN VDE 0282 part 1 + HD 22.1
<b>Jacket color:</b>	black

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 450/750 V
<b>Testing voltage U:</b>	2500 V acc. to DIN VDE 0282 part 2 + HD 22.2
<b>Min. bending radius:</b>	15 x O.D.
<b>Temperature range flexing:</b>	-25/+60 °C
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

### Outstanding features:

- ▶ Harmonized to European standards
- ▶ High mechanical loading capacity

item no.	no. of conductors incl. ground	nominal outer- $\phi$ inch	nominal outer- $\phi$ mm	cable weight $\approx$ lbs/mft
<b>▶ 18 AWG (<math>\approx</math> 30/32) • 1.00 mm<sup>2</sup></b>				
39550210	2	0.327	8.3	67
39550310	3	0.350	8.9	81
39550410	4	0.382	9.7	87
39550510	5	0.433	11.0	114
<b>▶ 16 AWG (<math>\approx</math> 27-29/30) • 1.50 mm<sup>2</sup></b>				
39550215	2	0.354	9.0	87
39550315	3	0.382	9.7	101
39550415	4	0.429	10.9	128
39550515	5	0.457	11.6	155
<b>▶ 14 AWG (<math>\approx</math> 46/30) • 2.50 mm<sup>2</sup></b>				
39550225	2	0.409	10.4	128
39550325	3	0.449	11.4	148
39550425	4	0.512	13.0	188
39550525	5	0.563	14.3	228
<b>▶ 12 AWG (<math>\approx</math> 52/28) • 4.00 mm<sup>2</sup></b>				
39550240	2	0.496	12.6	161
39550340	3	0.531	13.5	205
39550440	4	0.583	14.8	262
39550540	5	0.654	16.6	316

item no.	no. of conductors incl. ground	nominal outer- $\phi$ inch	nominal outer- $\phi$ mm	cable weight $\approx$ lbs/mft
<b>▶ 10 AWG (<math>\approx</math> 78/28) • 6.00 mm<sup>2</sup></b>				
39550160	1	0.323	8.2	94
39550260	2	0.551	14.0	195
39550360	3	0.575	14.6	333
39550460	4	0.638	16.2	349
39550560	5	0.693	17.6	430
<b>▶ 8 AWG (<math>\approx</math> 77/26) • 10.00 mm<sup>2</sup></b>				
39550161	1	0.394	10.0	141
39550261	2	0.748	19.0	356
39550361	3	0.803	20.4	591
39550461	4	0.858	21.8	638
39550561	5	0.965	24.5	773
<b>▶ 6 AWG (<math>\approx</math> 122/26) • 16.00 mm<sup>2</sup></b>				
39550162	1	0.441	11.2	195
39550262	2	0.843	21.4	491
39550362	3	0.902	22.9	847
39550462	4	0.965	24.5	941
39550562	5	1.075	27.3	1142
<b>▶ 4 AWG (<math>\approx</math> 190/26) • 25.00 mm<sup>2</sup></b>				
39550163	1	0.508	12.9	276
39550263	2	0.992	25.2	665
39550363	3	1.051	26.7	979
39550463	4	1.177	29.9	1310
39550563	5	1.283	32.6	1613

item no.	no. of conductors incl. ground	nominal outer- $\phi$ inch	nominal outer- $\phi$ mm	cable weight $\approx$ lbs/mft
<b>▶ 2 AWG (<math>\approx</math> 272/26) • 35.00 mm<sup>2</sup></b>				
39550164	1	0.579	14.7	376
39550364	3	1.193	30.3	1282
39550464	4	1.323	33.6	1814
<b>▶ 1 AWG (<math>\approx</math> 400/26) • 50.00 mm<sup>2</sup></b>				
39550165	1	0.677	17.2	497
39550365	3	1.386	35.2	1734
39550465	4	1.535	39.0	2419
<b>▶ 2/0 AWG (<math>\approx</math> 543/26) • 70.00 mm<sup>2</sup></b>				
39550166	1	0.752	19.1	706
39550366	3	1.555	39.5	2305
39550466	4	1.728	43.9	3293
<b>▶ 3/0 AWG (<math>\approx</math> 484/24) • 95.00 mm<sup>2</sup></b>				
39550167	1	0.850	21.6	874
39550367	3	1.772	45.0	2957
39550467	4	1.984	50.4	4166
<b>▶ 4/0 AWG (<math>\approx</math> 589/24) • 120.00 mm<sup>2</sup></b>				
39550168	1	0.933	23.7	1048
<b>▶ 250 MCM (<math>\approx</math> 740/24) • 150.00 mm<sup>2</sup></b>				
39550169	1	1.028	26.1	1335
<b>▶ 350 MCM (<math>\approx</math> 902/24) • 185.00 mm<sup>2</sup></b>				
39550170	1	1.130	28.7	1546
<b>▶ 450 MCM (<math>\approx</math> 1220/24) • 240.00 mm<sup>2</sup></b>				
39550171	1	1.256	31.9	2083
<b>▶ 550 MCM (<math>\approx</math> 1525/24) • 300.00 mm<sup>2</sup></b>				
39550172	1	1.370	34.8	2345

Other dimensions and colors are possible on request.