

European Harmonized Rubber Power Cordage & Hook-up Wire H07 RN-F

Flexible • Color coded • Heavy duty • 60° C / 450 - 1238 V



CE = The product conforms to the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC

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Part No.	No. Cond. x cross sec. (mm ²)	AWG	Nominal O.D. mm (min) (max)	Cop. Wt. (kg/km)	Approx. Weight (kg/km) (lbs/mft)	
37044	4G1	17	9.2 - 11.9	38.0	150	101
37045	4G1.5	16	10.2 - 13.1	58.0	200	134
37046	4G2.5	14	12.1 - 15.5	96.0	290	194
37047	4G4	12	14.0 - 17.9	154.0	395	265
37048	4G6	10	15.7 - 20.0	230.0	540	362
37049	4G10	8	20.9 - 26.5	384.0	950	637
37050	4G16	6	23.8 - 30.1	614.0	1260	847
37051	4G25	4	28.9 - 36.6	960.0	1860	1250
37052	4G35	2	32.5 - 41.1	1344.0	2380	1600
37053	4G50	1	37.7 - 47.5	1920.0	3190	2144
37054	4G70	2/0	42.7 - 54.0	2688.0	4260	2864
37055	4G95	3/0	48.4 - 61.0	3648.0	5600	3764
37056	4G120	4/0	53.0 - 66.0	4608.0	6830	4581
37057	4G150	300 MCM	58.0 - 73.0	5760.0	8320	5580
37058	4G185	350 MCM	64.0 - 80.0	7104.0	9800	6573
37059	4G240	500 MCM	72.0 - 91.0	9216.0	12100	8154
37060	4G300	600 MCM	80.0 - 101.0	11520.0	15200	10195

Part No.	No. Cond. x cross sec. (mm ²)	AWG	Nominal O.D. mm (min) (max)	Cop. Wt. (kg/km)	Approx. Weight (kg/km) (lbs/mft)	
37061	5G1.5	16	11.2 - 14.4	72.0	240	161
37062	5G2.5	14	13.3 - 17.0	120.0	345	231
37063	5G4	12	15.6 - 19.9	192.0	485	325
37064	5G6	10	17.5 - 22.2	288.0	650	436
37065	5G10	8	22.9 - 29.1	480.0	1200	807
37066	5G16	6	26.4 - 33.3	768.0	1550	1042
37067	5G25	4	32.0 - 40.4	1200.0	2250	1513
37068	5G35	2	36.8 - 45.8	1680.0	2750	1849
37091	5G50	1	approx. 44.5	2400.0	3950	2655
37092	7G1.5	16	approx. 14.5	101.0	375	251
37093	12G1.5	16	approx. 18.3	175.0	460	308
37094	19G1.5	16	approx. 23.5	274.0	810	543
37095	24G1.5	16	approx. 23.5	346.0	1015	682
37079	7G2.5	14	16.5 - 20.0	168.0	520	349
37096	12G2.5	14	approx. 19.0	288.0	760	511
37097	18G2.5	14	approx. 25.0	432.0	850	570
37098	19G2.5	14	approx. 27.0	456.0	1075	721
37099	24G2.5	14	approx. 32.0	576.0	1390	934

Dimensions and specifications may be changed without prior notice.

NOTES:

- G = Number of conductors includes ground
- Further sizes and configurations available upon request
- Call with applications which are beyond standard specifications
- AWG sizes approximate. Actual cross sections in mm². See page 96.

Current ratings for H07 RN-F in industrial application

Conductor operating temperature 60° C, ambient temperature 30° C (air)

Number of Conductors	1-Conductor		2-Conductors	3-Conductors		4-Conductors	5-Conductors
	2-Conductors	3-Conductors	2-Conductors	2-Conductors	3-Conductors	3-Conductors	3-Conductors
Cross-section mm²	Current Rating in Ampere (A)						
4	34	30	34	35	29	30	30
6	43	38	43	44	36	37	38
10	60	53	60	62	51	52	54
16	79	71	79	82	67	69	71
25	104	94	105	109	89	92	94
35	129	117	-	135	110	114	-
50	162	148	-	169	138	143	-
70	202	185	-	211	172	178	-
95	240	222	-	250	204	210	-
120	280	260	-	292	238	246	-
150	321	300	-	335	273	282	-
185	363	341	-	378	309	319	-
240	433	407	-	447	365	377	-
300	497	468	-	509	415	430	-
400	586	553	-	-	-	-	-
500	670	634	-	-	-	-	-
630	784	742	-	-	-	-	-

NOTES: Method of installation

- Single conductors bundled
- 2 conductors, cables layed parallel, ends touching
- 3 conductor cables arranged in a triangle

Derating factors for various ambient temperatures

Ambient temperature at air °C	30	35	40	45	50	55
Factor	1.0	0.91	0.82	0.71	0.58	0.41

EXAMPLE: 4mm² 3 conductors, 2 conductors energized at 50° C ambient temperature.
Solution: At 30°C ambient temp. rating 35 AMPs. At 50° C 35 AMP x 0.58 Derating factor = 20.3 A.