

H07 RN-F rubber-sheathed cable, harmonized type



Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
37037	3 G 70	38,4 - 48,3	2016,0	3400,0	2/0	37061	5 G 1,5	11,2 - 14,4	72,0	240,0	16
37038	3 G 95	43,3 - 54,0	2736,0	4450,0	3/0	37062	5 G 2,5	13,3 - 17,0	120,0	345,0	14
37039	3 G 120	47,4 - 60,0	3456,0	5180,0	4/0	37063	5 G 4	15,6 - 19,9	192,0	485,0	12
37040	3 G 150	52,0 - 66,0	4320,0	6500,0	300 kcmil	37064	5 G 6	17,5 - 22,2	288,0	650,0	10
37041	3 G 185	57,0 - 72,0	5328,0	7860,0	350 kcmil	37065	5 G 10	22,9 - 29,1	480,0	1200,0	8
37042	3 G 240	65,0 - 82,0	6192,0	10224,0	500 kcmil	37066	5 G 16	26,4 - 33,3	768,0	1550,0	6
37043	3 G 300	72,0 - 90,0	8640,0	12620,0	600 kcmil	37067	5 G 25	32,0 - 40,4	1200,0	2250,0	4
37044	4 G 1	9,2 - 11,9	38,0	150,0	17	37068	5 G 35	36,8 - 45,8	1680,0	2750,0	2
37045	4 G 1,5	10,2 - 13,1	58,0	200,0	16	37091	5 G 50	40,00 - 50,80	2400,0	3950,0	1
37046	4 G 2,5	12,1 - 15,5	96,0	290,0	14	37092	7 G 1,5	14,50 - 17,50	101,0	375,0	16
37047	4 G 4	14,0 - 17,9	154,0	395,0	12	37079	7 G 2,5	16,5 - 20,0	168,0	520,0	14
37048	4 G 6	15,7 - 20,0	230,0	540,0	10	37093	12 G 1,5	17,60 - 22,40	175,0	460,0	16
37049	4 G 10	20,9 - 26,5	384,0	950,0	8	37096	12 G 2,5	20,60 - 26,20	288,0	760,0	14
37050	4 G 16	23,8 - 30,1	614,0	1260,0	6	37097	18 G 2,5	24,40 - 30,90	432,0	850,0	14
37051	4 G 25	28,9 - 36,6	960,0	1860,0	4	37094	19 G 1,5	20,70 - 26,30	274,0	810,0	16
37052	4 G 35	32,5 - 41,1	1344,0	2380,0	2	37098	19 G 2,5	25,50 - 31,00	456,0	1075,0	14
37053	4 G 50	37,7 - 47,5	1920,0	3190,0	1	37095	24 G 1,5	24,30 - 30,70	346,0	1015,0	16
37054	4 G 70	42,7 - 54,0	2688,0	4260,0	2/0	37099	24 G 2,5	28,80 - 36,40	576,0	1390,0	14
37055	4 G 95	48,4 - 61,0	3648,0	5600,0	3/0						
37056	4 G 120	53,0 - 66,0	4608,0	6830,0	4/0						
37057	4 G 150	58,0 - 73,0	5760,0	8320,0	300 kcmil						
37058	4 G 185	64,0 - 80,0	7104,0	9800,0	350 kcmil						
37059	4 G 240	72,0 - 91,0	9216,0	12100,0	500 kcmil						
37060	4 G 300	80,0 - 101,0	11520,0	15200,0	600 kcmil						

Dimensions and specifications may be changed without prior notice.

Current ratings for H07 RN F for current supply in industrial application

Operating temperature at conductor 60°C; Ambient temperature 30°C (Air)

Number of cores	1-core		2-cores	3-cores	3-cores	4-cores	5-cores
	2 cores loaded	3 cores loaded	2 cores loaded	2 cores loaded	3 cores loaded	3 cores loaded	3 cores loaded
Number of loaded cores							
Cross-section, mm ²	Current ratings 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	-	-	-	-	-

Note

For the method of installation

- Single core cables are bunched (unit-form)
- 2 cores cables laid parallel with contact
- 3 cores cables are in triangle-form

Conversion factors for deviating ambient temperature

Ambient temperature at air °C	30	35	40	45	50	55
Factor	1,0	0,91	0,82	0,71	0,58	0,41