

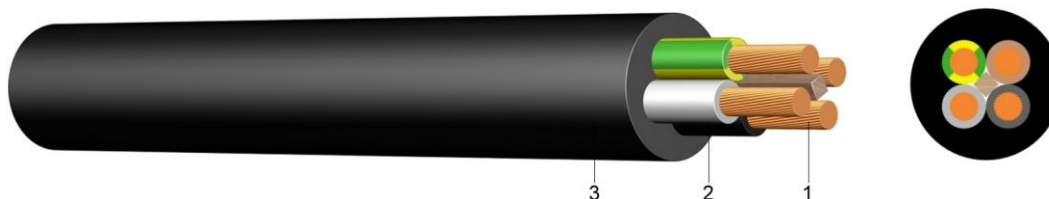


H07RN-F (GMS)

Rubber Sheathed Cable for Medium-Level Mechanical Stress

Application:

For general use in dry, humid and wet locations, for outdoor use (in protected installation). For agricultural applications or in locations subject to explosion hazards. Also suitable for connections of industrial and workshop electrical equipment submitted to medium-level mechanical stress. It can be used for fixed installations in temporary buildings as well as for connections of mobile machines and hoists.



Construction:

- 1 fine-stranded bare copper
- 2 EPR rubber insulation
- 3 outer sheath of polychloroprene compound (EM2), black, abrasion and oil resistant, flame retardant,

special colours on enquiry

Standards:

DIN VDE 0285-525-2-21
DIN EN 60228 class 5 (construction)
Core identification according to HD 308 S2

Technical data:

Nominal voltage U_0/U	[V]	450 / 750 Volt
Test voltage	[V] _{AC}	2500
Temperature range	in motion	-25°C till +60°C
Operating temperature	short circuit	200°C
Short circuit time	max.	[sec]
Bending radius	one time / fixed	x diameter
Bending radius	in motion	x diameter
Oil-resistant	standard	EN 60811-2-1
Flammability	standard	EN 60332-1-2

Number of cores and nominal cross section mm ²	from stock	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Overall diameter max. value appr. mm	Weight appr. kg / km
1 X 1,5	●	15	30 x 0,26	5,7	7,1	50
1 X 2,5	○	25	50 x 0,26	6,3	7,9	66
1 X 4	●	40	56 x 0,31	7,2	9,0	94
1 X 6	●	60	84 x 0,31	7,9	9,8	109
1 X 10	●	100	80 x 0,41	9,5	11,9	182
1 X 16	●	160	128 x 0,41	10,8	13,4	256
1 X 25	●	250	200 x 0,41	12,7	15,8	369
1 X 35	●	350	280 x 0,41	14,3	17,9	482
1 X 50	●	500	400 x 0,41	16,5	20,6	662
1 X 70	●	700	356 x 0,51	18,6	23,3	895
1 X 95	●	950	485 x 0,51	20,8	26,0	1.160



Number of cores and nominal cross section mm ²	from stock	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Overall diameter max. value appr. mm	Weight appr. kg / km
1 X 120	●	1.200	614 x 0,51	22,8	28,6	1.430
1 X 150	●	1.500	765 x 0,51	25,2	31,4	1.740
1 X 185	●	1.850	944 x 0,51	27,6	34,4	2.160
1 X 240	●	2.400	1225 x 0,51	30,6	38,3	2.730
1 X 300	●	3.000	1530 x 0,50	33,5	41,9	3.480
2 X 1	●	20	32 x 0,20	7,7	10,0	99
2 X 1,5	●	30	30 x 0,26	8,5	11,0	111
2 X 2,5	●	50	50 x 0,26	10,2	13,1	161
2 X 4	●	80	56 x 0,31	11,8	15,1	238
2 X 6	●	120	84 x 0,31	13,1	16,8	279
3 G 1	●	30	32 x 0,21	8,3	10,7	117
3 G 1,5	●	45	30 x 0,26	9,2	11,9	134
3 G 2,5	●	75	50 x 0,26	10,9	14,0	195
3 G 4	●	120	56 x 0,31	12,7	16,2	290
3 G 6	●	180	84 x 0,31	14,1	18,0	346
3 G 10	●	300	80 x 0,41	19,1	24,2	663
3 G 35	●	1.050	280 x 0,41	29,3	37,1	1.760
3 G 50	●	1.500	400 x 0,41	34,1	42,9	2.390
4 G 1,5	●	60	30 x 0,26	10,2	13,1	165
4 G 2,5	●	100	50 x 0,26	12,5	15,5	245
4 G 4	●	160	56 x 0,31	14,0	18,0	357
4 G 6	●	240	84 x 0,31	15,7	20,0	443
4 G 10	●	400	80 x 0,41	20,8	26,5	818
4 G 16	●	640	128 x 0,41	23,8	30,1	1.150
4 G 25	●	1.000	200 x 0,41	28,9	36,6	1.700
4 G 35	●	1.400	280 x 0,41	32,5	41,1	2.180
4 G 50	●	2.000	400 x 0,41	37,7	47,5	3.030
4 G 70	●	2.800	356 x 0,51	42,7	54,0	3.990
4 G 95	●	3.800	485 x 0,51	48,4	61,0	5.360
4 G 120	●	4.800	614 x 0,51	53,0	66,0	6.500
4 G 150	●	6.000	765 x 0,51	58,0	73,0	7.990
4 G 185	●	7.400	944 x 0,51	64,0	80,0	9.910
4 G 240	●	9.600	1225 x 0,51	72,0	91,0	12.800
5 G 1,5	●	75	30 x 0,26	11,2	14,4	238
5 G 2,5	●	125	50 x 0,26	13,3	17,0	297
5 G 4	●	200	56 x 0,31	15,6	19,9	453
5 G 6	●	300	84 x 0,31	17,5	22,2	557
5 G 10	●	500	80 x 0,41	22,9	29,1	1.001
5 G 16	●	800	128 x 0,41	26,4	33,3	1.430
5 G 25	●	1.250	200 x 0,41	32,0	40,4	2.096
5 G 35	●	1.750	280 x 0,41	44,0	50,0	3.008
5 G 50	●	2.500	400 x 0,41	51,0	58,0	4.390
5 G 70	●	3.500	356 x 0,51	60,0	67,0	5.296
5 G 95	●	4.750	485 x 0,51	61,0	71,0	6.250
5 G 120	●	6.000	614 x 0,51	62,0	73,0	8.260
5 G 150	●	7.500	765 x 0,51	64,0	80,0	8.660
7 G 1,5	●	105	30 x 0,26	14,7	17,0	342
12 G 1,5	●	180	30 x 0,26	18,6	22,2	510
19 G 1,5	●	285	30 x 0,26	23,0	29,0	630
24 G 1,5	●	360	30 x 0,26	24,3	30,7	1.000
27 G 1,5	●	405	30 x 0,26	23,6	32,0	1.077
7 G 2,5	●	175	50 x 0,26	16,9	19,2	485
12 G 2,5	●	300	50 x 0,26	21,1	24,6	799
19 G 2,5	●	475	50 x 0,26	24,5	28,0	1.100
24 G 2,5	●	600	50 x 0,26	27,3	32,5	1.250
7 G 4	●	280	56 x 0,31	19,6	21,5	703