H07RN-F/A07RN-F 450/750V Harmonized Rubber Cables

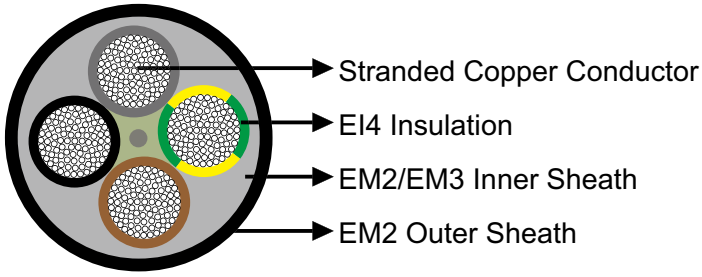
» Applications

These cables are designed for the connection of heating units, industrial tools, mobile equipment and machines, e.g. vulcanisation plates, hand-operated equipment, transportable motors etc., under normal mechanical loads in dry and damp areas, outdoors and in explosion hazard areas, as well as in industrial and agricultural applications and on building sites.

» Standards

DIN VDE 0282 Part1 and Part 4
HD 22.1
HD 22.4

» Construction



Conductors: Stranded copper conductor, class 5 according to DIN VDE 0295/HD 383 S2.
Insulation: Rubber type EI4 according to DIN VDE 0282 Part 1/HD 22.1.
Inner Sheath (for ≥ 10 mm² or more than 5 cores): NR/SBR rubber type EM1.
Outer Sheath: CR/PCP rubber type EM2.

» Dimensions and Weight

Number of Cores×Nominal Cross Section	Insulation Thickness	Thickness of Inner Sheath	Thickness of Outer Sheath	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	mm	mm	mm	kg/km
1×1.5	0.8	-	1.4	5.7	6.7	60
2×1.5	0.8	-	1.5	8.5	10.5	120

Number of Cores×Nominal Cross Section	Insulation Thickness	Thickness of Inner Sheath	Thickness of Outer Sheath	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	mm	mm	mm	kg/km
3G1.5	0.8	-	1.6	9.2	11.2	170
4G1.5	0.8	-	1.7	10.2	12.5	210
5G1.5	0.8	-	1.8	11.2	13.5	260
7G1.5	0.8	1.0	1.6	14.0	17.0	360
12G1.5	0.8	1.2	1.7	17.6	20.5	515
19G1.5	0.8	1.4	2.1	20.7	26.3	795
24G1.5	0.8	1.4	2.1	24.3	28.5	920
1×2.5	0.9	-	1.4	6.3	7.5	75
2×2.5	0.9	-	1.7	10.2	12.5	170
3G2.5	0.9	-	1.8	10.9	13.0	230
4G2.5	0.9	-	1.9	12.1	14.5	290
5G2.5	0.9	-	2.0	13.3	16.0	360
7G2.5	0.9	1.1	1.7	17.0	20.0	510
12G2.5	0.9	1.2	1.9	20.6	23.5	740
19G2.5	0.9	1.5	2.2	24.4	30.9	1190
24G2.5	0.9	1.6	2.3	28.8	33.0	1525
1×4	1.0	-	1.5	7.2	8.5	100
2×4	1.0	-	1.8	11.8	14.5	195
3G4	1.0	-	1.9	12.7	15.0	305
4G4	1.0	-	2.0	14.0	17.0	400
5G4	1.0	-	2.2	15.6	19.0	505
1×6	1.0	-	1.6	7.9	9.5	130
2×6	1.0	-	2.0	13.1	16.0	285
3G6	1.0	-	2.1	14.1	17.0	380
4G6	1.0	-	2.3	15.7	19.0	550
5G6	1.0	-	2.5	17.5	21.0	660
1×10	1.2	-	1.8	9.5	11.5	195
2×10	1.2	1.2	1.9	17.7	21.5	565
3G10	1.2	1.3	2.0	19.1	22.5	715
4G10	1.2	1.4	2.0	20.9	24.5	875
5G10	1.2	1.4	2.2	22.9	27.0	1095
1×16	1.2	-	1.9	10.8	13.0	280
2×16	1.2	1.3	2.0	20.2	23.5	795
3G16	1.2	1.4	2.1	21.8	25.5	1040
4G16	1.2	1.4	2.2	23.8	28.0	1280
5G16	1.2	1.5	2.4	26.4	31.0	1610
1×25	1.4	-	2.0	12.7	15.0	405
4G25	1.4	1.6	2.2	28.9	33.0	1890
5G25	1.4	1.7	2.7	32.0	36.0	2335
1×35	1.4	-	2.2	14.3	17.0	545

Number of Cores×Nominal Cross Section	Insulation Thickness	Thickness of Inner Sheath	Thickness of Outer Sheath	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	mm	mm	mm	kg/km
4G35	1.4	1.7	2.7	32.5	36.5	2505
5G35	1.4	1.8	2.8	35.0	39.5	2718
1×50	1.6	-	2.4	16.5	19.5	730
4G50	1.6	1.9	2.9	37.7	42.0	3350
5G50	1.6	2.1	3.1	41.0	46.0	3804
1×70	1.6	-	2.6	18.6	22.0	955
4G70	1.6	2.0	3.2	42.7	47.0	4785
1×95	1.8	-	2.8	20.8	24.0	1135
4G95	1.8	2.3	3.6	48.4	54.0	6090
1×120	1.8	-	3.0	22.8	26.5	1560
4G120	1.8	2.4	3.6	53.0	59.0	7550
5G120	1.8	2.8	4.0	59.0	65.0	8290
1×150	2.0	-	3.2	25.2	29.0	1925
4G150	2.0	2.6	3.9	58.0	64.0	8495
1×185	2.2	-	3.4	27.6	31.5	2230
4G185	2.2	2.8	4.2	64.0	71.0	9850
1×240	2.4	-	3.5	30.6	35.0	2945
1×300	2.6	-	3.6	33.5	38.0	3495
1×630	3.0	-	4.1	45.5	51.0	7020