



USE OF CABLE

for connecting of power tools, mobile units and machines for medium mechanical requirements in dry and humid rooms, for outdoor use, in explosive areas, in commercial and agricultural plants and on construction lots. Also suitable for fixed laying e.g. on-wall in provisional buildings, for directly laying on modules of hoisting devices, machinery etc.



SPECIAL FEATURES

- for protected fixed laying in pipes or units and as motor connecting cable permitted up to 1.000 V
- free from lacquer damaging substances and silicone (during production)
- UV resistant
- ozone resistant acc. to EN 60811-2-1

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- Available on request: H07RN8-F for laying in industrial water / H07BN4-F with max. temperature at conductor +90 °C.
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Bare or tinned copper strand
Conductor class:	Acc. to DIN VDE 0295 class 5 resp. IEC 60228 cl. 5
Core insulation:	Rubber compound
Core identification:	Acc. to VDE 0293-308 up to 5 wires coloured, from 6 wires black with white numerals with or without GNYE
Stranding:	Cores stranded in layers
Outer sheath:	Special rubber-compound
Sheath colour:	Black
Rated voltage:	Uo/U: 450/750 V
Testing voltage:	2,5 kV
Current-carrying-capacity:	Acc. to DIN VDE, see Technical Guidelines
Min. bending radius fixed:	Acc. to DIN VDE 0298 part 3
Min. bending radius moved:	Acc. to DIN VDE 0298 part 3
Operat. temp. fixed min/max:	-40 °C / +60 °C
Operat. temp. moved min/max:	-30 °C / +60 °C
Temp. at conductor:	+60 °C
Burning behavior:	Acc. to IEC 60332-1
Resistant to oil:	Acc. to EN 60811-404
Approvals:	H07RN-F: <HAR> type certification acc. to EN 50525-2-21; A07RN-F: similar to EN 50525-2-21

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3500078	1 X 1,5	5,7 - 7,1	14,40	59,00	black	V1: H07RN-F
3500096	1 X 2,5	6,3 - 7,9	24,00	74,00	black	V1: H07RN-F
3500145	1 X 4	7,2 - 9,0	38,40	99,00	black	V1: H07RN-F
3500187	1 X 6	7,9 - 9,8	58,00	129,00	black	V1: H07RN-F
3500079	1 X 10	9,5 - 11,9	96,00	200,00	black	V1: H07RN-F
3500090	1 X 16	10,8 - 13,4	154,00	279,00	black	V1: H07RN-F
3500101	1 X 25	12,7 - 15,8	240,00	396,00	black	V1: H07RN-F
3500113	1 X 35	14,3 - 17,9	336,00	540,00	black	V1: H07RN-F
3500175	1 X 50	16,5 - 20,6	480,00	719,00	black	V1: H07RN-F

H07RN-F, A07RN-F

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3500189	1 X 70	18,6 - 23,3	672,00	947,00	black	V1: H07RN-F
3500192	1 X 95	20,8 - 26,0	912,00	1230,00	black	V1: H07RN-F
3500080	1 X 120	22,8 - 28,6	1152,00	1520,00	black	V1: H07RN-F
3500089	1 X 150	25,2 - 31,4	1440,00	1887,00	black	V1: H07RN-F
3500091	1 X 185	27,6 - 34,4	1776,00	2300,00	black	V1: H07RN-F
3500097	1 X 240	30,6 - 38,3	2304,00	2960,00	black	V1: H07RN-F
3500112	1 X 300	33,5 - 41,9	2880,00	3585,00	black	V1: H07RN-F
3500114	1 X 400	37,4 - 46,8	3840,00	4800,00	black	V1: H07RN-F
3500193	1 X 630	ca. 57,0	6048,00	7212,00	black	V1: H07RN-F
3500104	2 X 1	7,7 - 10,0	19,20	89,00	black	V1: H07RN-F
3500119	3 G 1	8,3 - 10,7	29,00	111,00	black	V1: H07RN-F
3500146	4 G 1	9,2 - 11,9	38,40	146,00	black	V1: H07RN-F
3500176	5 G 1	10,2 - 13,1	48,00	192,00	black	V1: H07RN-F
3500105	2 X 1,5	8,5 - 11,0	29,00	128,00	black	V1: H07RN-F
3500120	3 G 1,5	9,2 - 11,9	43,20	157,00	black	V1: H07RN-F
3501225	3 G 1,5	9,2 - 11,9	43,20	157,00	red	V1: H07RN-F
3500148	4 G 1,5	10,2 - 13,1	58,00	192,00	black	V1: H07RN-F
3500177	5 G 1,5	11,2 - 14,4	72,00	238,00	black	V1: H07RN-F
3500188	7 G 1,5	14,5 - 17,5	101,00	371,00	black	V1: H07RN-F
3500083	12 G 1,5	17,6 - 22,4	173,00	516,00	black	V1: H07RN-F
3500081	18 G 1,5	20,7 - 26,3	260,00	770,00	black	V1: H07RN-F
3500435	19 G 1,5	20,7 - 26,3	275,00	788,00	black	V1: H07RN-F
3500098	24 G 1,5	24,3 - 30,7	346,00	968,00	black	V1: H07RN-F
3500108	2 X 2,5	10,2 - 13,1	48,00	177,00	black	V1: H07RN-F
3500127	3 G 2,5	10,9 - 14,0	72,00	217,00	black	V1: H07RN-F
3500156	4 G 2,5	12,1 - 15,5	96,00	269,00	black	V1: H07RN-F
3500181	5 G 2,5	13,3 - 17,0	120,00	329,00	black	V1: H07RN-F
3500190	7 G 2,5	16,5 - 20,0	168,00	499,00	black	V1: H07RN-F
3500452	8 G 2,5	19,6	192,00	590,00	black	V1: H07RN-F
3500085	12 G 2,5	20,6 - 26,2	288,00	719,00	black	V1: H07RN-F
3500092	18 G 2,5	24,4 - 31,0	432,00	1068,00	black	V1: H07RN-F
3500094	19 G 2,5	24,4 - 31,0	456,00	1068,00	black	V1: H07RN-F
3500099	24 G 2,5	28,8 - 36,4	576,00	1400,00	black	V1: H07RN-F
3500110	2 X 4	11,8 - 15,1	77,00	249,00	black	V1: H07RN-F
3500132	3 G 4	12,7 - 16,2	115,20	298,00	black	V1: H07RN-F
3500162	4 G 4	14,0 - 17,9	154,00	373,00	black	V1: H07RN-F
3500184	5 G 4	15,6 - 19,9	192,00	466,00	black	V1: H07RN-F
3500111	2 X 6	13,1 - 16,8	115,20	327,00	black	V1: H07RN-F
3500133	3 G 6	14,1 - 18,0	173,00	407,00	black	V1: H07RN-F
3500166	4 G 6	15,7 - 20,0	230,40	514,00	black	V1: H07RN-F

H07RN-F, A07RN-F

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3500186	5 G 6	17,5 - 22,2	288,00	640,00	black	V1: H07RN-F
3500106	2 X 10	17,7 - 22,6	192,00	586,00	black	V1: H07RN-F
3500122	3 G 10	19,1 - 24,2	288,00	716,00	black	V1: H07RN-F
3500150	4 G 10	20,9 - 26,5	384,00	898,00	black	V1: H07RN-F
3500179	5 G 10	22,9 - 29,1	480,00	1107,00	black	V1: H07RN-F
3500107	2 X 16	20,2 - 25,7	307,20	810,00	black	V1: H07RN-F
3500125	3 G 16	21,8 - 27,6	461,00	1008,00	black	V1: H07RN-F
3500154	4 G 16	23,8 - 30,1	614,40	1253,00	black	V1: H07RN-F
3500180	5 G 16	26,4 - 33,3	768,00	1564,00	black	V1: H07RN-F
3500109	2 X 25	24,3 - 30,7	480,00	1157,00	black	V1: H07RN-F
3500128	3 G 25	26,1 - 33,0	720,00	1451,00	black	V1: H07RN-F
3500158	4 G 25	28,9 - 36,6	960,00	1846,00	black	V1: H07RN-F
3500182	5 G 25	32,0 - 40,4	1200,00	2291,00	black	V1: H07RN-F
3500130	3 G 35	29,3 - 37,1	1008,00	1901,00	black	V1: H07RN-F
3500160	4 G 35	32,5 - 41,1	1344,00	2393,00	black	V1: H07RN-F
3500183	5 G 35	36,8 - 45,8	1680,00	2684,00	black	V1: H07RN-F
3500141	3 G 50	34,1 - 42,9	1440,00	2580,00	black	V1: H07RN-F
3500164	4 G 50	37,7 - 47,5	1920,00	3284,00	black	V1: H07RN-F
3500185	5 G 50	40,0 - 50,8	2400,00	3950,00	black	V1: H07RN-F
3500135	3 G 70	38,4 - 48,3	2016,00	3386,00	black	V1: H07RN-F
3500168	4 G 70	42,7 - 54,0	2688,00	4331,00	black	V1: H07RN-F
3500448	5 G 70	46,5 - 58,6	3360,00	4893,00	black	V1: H07RN-F
3500143	3 G 95	43,3 - 54,0	2736,00	4483,00	black	V1: H07RN-F
3500170	4 G 95	48,4 - 61,0	3648,00	5712,00	black	V1: H07RN-F
3500498	5 G 95	54,0 - 67,0	4560,00	6600,00	black	V1: H07RN-F
3500123	3 G 120	47,4 - 60,0	3456,00	5182,00	black	V1: H07RN-F
3500151	4 G 120	53,0 - 66,0	4608,00	6828,00	black	V1: H07RN-F
3500152	4 G 150	58,0 - 73,0	5760,00	8319,00	black	V1: H07RN-F
3501189	5 G 120	61,0	5760,00	8051,00	black	V1: H07RN-F
3500550	5 G 150	70,4	7200,00	10100,00	black	V1: H07RN-F
3500155	4 G 185	64,0 - 80,0	7104,00	10062,00	black	V1: H07RN-F
3500157	4 G 240	72,0 - 91,0	9216,00	13125,00	black	V1: H07RN-F
3500102	27 G 1,5	24,0 - 26,0	385,00	1077,00	black	V2: A07RN-F
3501185	3 X 1	8,3 - 10,7	29,00	111,00	black	V2: A07RN-F
3500137	3 X 1,5	9,2 - 11,9	43,20	157,00	black	V2: A07RN-F
3500172	4 X 1,5	10,2 - 13,1	58,00	192,00	black	V2: A07RN-F
3500139	3 X 2,5	10,9 - 14,0	72,00	217,00	black	V2: A07RN-F
3500174	4 X 2,5	12,1 - 15,5	96,00	269,00	black	V2: A07RN-F
3500086	12 X 2,5	20,6 - 26,2	288,00	719,00	black	V2: A07RN-F
3500095	19 X 2,5	25,5 - 31,0	456,00	1068,00	black	V2: A07RN-F

H07RN-F, A07RN-F

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3500100	24 X 2,5	28,8 - 36,4	576,00	1400,00	black	V2: A07RN-F
3500140	3 X 4	12,7 - 16,2	115,20	298,00	black	V2: A07RN-F
3500163	4 X 4	14,0 - 17,9	154,00	373,00	black	V2: A07RN-F
3500134	3 X 6	14,1 - 18,0	173,00	407,00	black	V2: A07RN-F
3500167	4 X 6	15,7 - 20,0	230,40	514,00	black	V2: A07RN-F
3500138	3 X 10	19,1 - 24,2	288,00	716,00	black	V2: A07RN-F
3500149	4 X 10	20,9 - 26,5	384,00	898,00	black	V2: A07RN-F
3500126	3 X 16	21,8 - 27,6	461,00	1008,00	black	V2: A07RN-F
3500173	4 X 16	23,8 - 30,1	614,00	1253,00	black	V2: A07RN-F
3500129	3 X 25	26,1 - 33,0	720,00	1451,00	black	V2: A07RN-F
3501202	4 X 25	28,9 - 36,6	960,00	1846,00	black	V2: A07RN-F
3500131	3 X 35	29,3-37,1	1008,00	1901,00	black	V2: A07RN-F
3500161	4 X 35	32,5 - 41,1	1344,00	2393,00	black	V2: A07RN-F
3500142	3 X 50	34,1 - 42,9	1440,00	2580,00	black	V2: A07RN-F
3500165	4 X 50	37,7 - 47,5	1920,00	3284,00	black	V2: A07RN-F
3500136	3 X 70	38,4 - 48,3	2016,00	3386,00	black	V2: A07RN-F
3500169	4 X 70	42,7 - 54,0	2688,00	4331,00	black	V2: A07RN-F
3500144	3 X 95	43,3 - 54,0	2736,00	4483,00	black	V2: A07RN-F
3500171	4 X 95	48,4 - 61,0	3648,00	5712,00	black	V2: A07RN-F
3500124	3 X 120	47,4 - 60,0	3456,00	5182,00	black	V2: A07RN-F
3501183	3 X 1	8,3 - 10,7	29,00	111,00	black	V3: (H)07RN-F
3501038	12 G 1	17,2 - 17,8	115,00	405,00	black	V3: (H)07RN-F
3501039	18 G 1	19,9 - 20,5	173,00	560,00	black	V3: (H)07RN-F
3501040	24 G 1	22,9 - 23,5	231,00	695,00	black	V3: (H)07RN-F
3501041	36 G 1	26,5 - 27,2	346,00	990,00	black	V3: (H)07RN-F