

Product Description

Heavy-duty, rubber-sheathed cable; High stresses; Allowed up to 1000 V (0.6/1 kV) alternating voltage within protected and fixed installation; Arrangements from single core rubber-sheathed cables H07RN-F can be used for short-circuit and short-to-ground proof installation in accordance with VDE 0100 Part 520



Application range

- Hand-held equipment
- Tools and agricultural machinery
- Dry and damp interiors, as well as outdoors and temporary in industrial water
- Light & Sound technology

Benefits

- Heavy-duty, rubber-sheathed cable
- High stresses
- Allowed up to 1000 V (0.6/1 kV) alternating voltage within protected and fixed installation
- Arrangements from single core rubber-sheathed cables H07RN-F can be used for short-circuit and short-to-ground proof installation in accordance with VDE 0100 Part 520

Design

- Copper wire acc. to HAR bare or tinned
- Core insulation: Rubber Type EI 4
- Outer jacket of rubber Type EM 2

Product features

- Flame retardant according to IEC 60332-1-2
- Oil resistant according to EN 60811-2-1



Cross-References

Accessories

EASY STRIP 2 stripping and cutting tool, PWE 8.87 crimping pliers, KS 20 cable shears, SKINTOP® CLICK, SKINTOP® CLICK-R

Comparable products

H07ZZ-F, ÖLFLEX® AQUA RN8

Technical Data

Core identification code

Up to 5 cores: According to VDE 0293-308

Appendix T9)

Starting at 6 cores: Black with white numbers

Approvals

VDE 0282 Part 4 / HD 22.4 S4

Specific insulation resistance

1 GOhm x cm

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC

60228 Class 5

Minimum bending radius

Flexible use: 6 x outer diameter

Rated voltage

U0/U: 450/750 V in protected and fixed installations: U0/U:
600/1000 V

Test voltage

2500 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Current rating

According to VDE 0298 part 4 Tab. 11 and 13

Range of temperature

Flexible use: -25°C up to +60°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
H07RN-F U0/U: 450/750 V				
1600117	3 G 1	8,3 - 10,7	29	130
1600199	2 X 1,5	8,5 - 11	29	135
1600103	3 G 1,5	9,2 - 11,9	43	165
16001233	4 G 1,5	10,2 - 13,1	58	200
16001043	5 G 1,5	11,2 - 14,4	72	240
1600151	7 G 1,5	14 - 17,5	101	385
1600148	12 G 1,5	17,6 - 22,4	173	516

1600259	19 G 1,5	20,7 - 26,3	274	800
1600166	24 G 1,5	24,3 - 30,7	346	882
1600263	25 G 1,5	25,1 - 25,9	360	918
1600187	2 X 2,5	10,2 - 13,1	48	195
1600118	3 G 2,5	10,9 - 14	72	235
16001053	4 G 2,5	12,1 - 15,5	96	290
16001293	5 G 2,5	13,3 - 17	120	345
1600152	7 G 2,5	16,5 - 20	168	520
1600154	12 G 2,5	20,6 - 26,2	288	810
1600156	19 G 2,5	25,5 - 31	456	1200
1600157	24 G 2,5	28,8 - 36,4	576	1650
1600186	2 X 4	11,8 - 15,1	77	270
1600119	3 G 4	12,7 - 16,2	115	320
16001063	4 G 4	14 - 17,9	154	395
16001303	5 G 4	15,6 - 19,9	192	485
1600161	7 G 4	21 - 21,8	268.8	681
1600120	3 G 6	14,1 - 18	173	495
16001073	4 G 6	15,7 - 20	230	610
16001313	5 G 6	17,5 - 22,2	288	760
1600121	3 G 10	19,1 - 24,2	288	880
16001083	4 G 10	20,9 - 26,5	384	1060
16001093	5 G 10	22,9 - 29,1	480	1300
1600122	3 G 16	21,8 - 27,6	461	1090
16001103	4 G 16	23,8 - 30,1	614	1345
16001113	5 G 16	26,4 - 33,3	768	1680
16001123	4 G 25	28,9 - 36,6	960	1995
16001133	5 G 25	32 - 40,4	1200	2470
1600124	3 G 35	29,3 - 37,1	1008	1900
16001143	4 G 35	32,5 - 41,1	1344	2645
16001363	5 G 35	37 - 45	1680	2810
16001153	4 G 50	37,7 - 47,5	1920	3635
1600126	5 G 50	40 - 50,8	2400	4050
16001163	4 G 70	42,7 - 54	2688	4830
16001283	4 G 95	48,4 - 61	3648	6320
16001323	4 G 120	53 - 66	4608	6830
16000883	4 G 150	58 - 73	5760	8320
1600141	4 G 185	64 - 80	7104	9800
1600183	4 G 240	72 - 91	9216	12100
Single core rubber cable H07RN-F U0/U: 450/750 V				
1600096	1 X 1,5	5,7 - 7,1	14.4	59
1600099	1 X 2,5	6,3 - 7,9	24	72

1600097	1 X 4	7,2 - 9	38	99
1600098	1 X 6	7,9 - 9,8	58	130
1600194	1 X 10	9,5 - 11,9	96	230
1600195	1 X 16	10,8 - 13,4	154	320
1600196	1 X 25	12,7 - 15,8	240	450
1600193	1 X 35	14,3 - 17,9	336	605
1600197	1 X 50	16,5 - 20,6	480	825
1600189	1 X 70	18,6 - 23,3	672	1090
1600190	1 X 95	20,8 - 26	912	1405
1600198	1 X 120	22,8 - 28,6	1152	1745
1600191	1 X 150	25,2 - 31,4	1440	1887
1600175	1 X 185	27,6 - 34,4	1776	2274
1600177	1 X 240	30,6 - 38,3	2304	2955
30015435	1 X 300	33,5 - 41,9	2880	3479