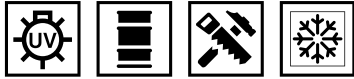


Harsh conditions

Rubber cables



H07RN-F

Heavy standard construction



■ **Benefits**

- For mechanically more demanding applications
- 1000 V AC @ protected + static laying
- Arrangements made of single-core, rubber-sheathed cables H07RN-F can be used for short circuit-proof and short-to-ground-proof installations in accordance with VDE 0100 Part 520

■ **Application range**

- Handheld and power supply devices according to HD 516
- Medium, mechanical stress (H07RN-F)/ industrial, agricultural use
- Dry or damp rooms as well as outdoors (taking into account all normative power characteristics) according to HD 516/VDE 0298-300

■ **Product features**

- Flame-retardant according IEC 60332-1-2
- Oil-resistant according to EN 60811-404

■ **Norm references / Approvals**

- <HAR> H07RN-F cable type approval according to EN 50525-2-21

■ **Product make-up**

- Bare copper wire according to HAR
- Core insulation: rubber compound type EI 4
- Outer sheath: rubber compound, type EM2

Info

- Medium mechanical stress
- Oil-resistant

■ **Technical data**

Classification
ETIM 5.0 Class-ID: EC001578
ETIM 5.0 Class-Description: Flexible cable

Core identification code
Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9
From 6 cores: black with white numbers

Conductor stranding
Fine wire according to VDE 0295 Class 5 / IEC 60228 Class 5

Minimum bending radius
4 to 8 xOD* (HD 516)

Nominal voltage
U₀/U: 450/750 V

Test voltage
2500 V

Protective conductor
G = with GN-YE protective conductor
X = without protective conductor

Current rating
According to IEC 60364-5-52 / VDE 0298-4
HD 516/VDE 0298-300

Temperature range
-25°C to +60°C

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1600096	1 X 1.5	5.7 - 7.1	14.4	59
1600099	1 X 2.5	6.3 - 7.9	24.0	72
1600097	1 X 4	7.2 - 9.0	38.4	99
1600098	1 X 6	7.9 - 9.8	57.6	130
1600194	1 X 10	9.5 - 11.9	96.0	230
1600195	1 X 16	10.8 - 13.4	153.6	320
1600196	1 X 25	12.7 - 15.8	240.0	450
1600193	1 X 35	14.3 - 17.9	336.0	605
1600197	1 X 50	16.5 - 20.6	480.0	825
1600189	1 X 70	18.6 - 23.3	672.0	1090
1600190	1 X 95	20.8 - 26.0	912.0	1405
1600198	1 X 120	22.8 - 28.6	1,152.0	1745
1600191	1 X 150	25.2 - 31.4	1,440.0	1887
1600175	1 X 185	27.6 - 34.4	1,776.0	2274
1600177	1 X 240	30.6 - 38.3	2,304.0	2955
30015435	1 X 300	33.5 - 41.9	2,880.0	3479
1600117	3 G 1.0	8.3 - 10.7	28.8	130
1600199	2 X 1.5	8.5 - 11.0	28.8	135
1600103	3 G 1.5	9.2 - 11.9	43.2	165
16001233	4 G 1.5	10.2 - 13.1	57.6	200
16001043	5 G 1.5	11.2 - 14.4	72.0	240
1600151	7 G 1.5	14.0 - 17.5	100.8	385
1600148	12 G 1.5	17.6 - 22.4	172.8	516
1600259	19 G 1.5	20.7 - 26.3	273.6	800
1600166	24 G 1.5	24.3 - 30.7	345.6	882
1600263	25 G 1.5	25.1 - 25.9	360.0	920
1600187	2 X 2.5	10.2 - 13.1	48.0	195
1600118	3 G 2.5	10.9 - 14.0	72.0	235
16001053	4 G 2.5	12.1 - 15.5	96.0	290
16001293	5 G 2.5	13.3 - 17.0	120.0	294
1600152	7 G 2.5	16.5 - 20.0	168.0	520

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1600154	12 G 2.5	20.6 - 26.2	288.0	810
1600156	19 G 2.5	25.5 - 31.0	456.0	1200
1600157	24 G 2.5	28.8 - 36.4	576.0	1650
1600186	2 X 4	11.8 - 15.1	76.8	270
1600119	3 G 4	12.7 - 16.2	115.2	320
16001063	4 G 4	14.0 - 17.9	153.6	395
16001303	5 G 4	15.6 - 19.9	192.0	485
1600161	7 G 4	21.0 - 21.8	268.8	681
1600120	3 G 6	14.1 - 18.0	172.8	360
16001073	4 G 6	15.7 - 20.0	230.4	475
16001313	5 G 6	17.5 - 22.2	288.0	760
1600121	3 G 10	19.1 - 24.2	288.0	880
16001083	4 G 10	20.9 - 26.5	384.0	1060
16001093	5 G 10	22.9 - 29.1	480.0	1300
1600122	3 G 16	21.8 - 27.6	460.8	1090
16001103	4 G 16	23.8 - 30.1	614.4	1345
16001113	5 G 16	26.4 - 33.3	768.0	1680
16001123	4 G 25	28.9 - 36.6	960.0	1995
16001133	5 G 25	32.0 - 40.4	1,200.0	2470
1600124	3 G 35	29.3 - 37.1	1,008.0	1910
16001143	4 G 35	32.5 - 41.1	1,344.0	2645
16001363	5 G 35	37.0 - 45.0	1,680.0	2810
16001153	4 G 50	37.7 - 47.5	1,920.0	3635
1600126	5 G 50	40.0 - 50.8	2,400.0	4050
16001163	4 G 70	42.7 - 54.0	2,688.0	4830
16001283	4 G 95	48.4 - 61.0	3,648.0	6320
16001323	4 G 120	53.0 - 66.0	4,608.0	6830
16000883	4 G 150	58.0 - 73.0	5,760.0	8320
1600141	4 G 185	64.0 - 80.0	7,104.0	9800
1600183	4 G 240	72.0 - 91.0	9,216.0	12800

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Photographs are not to scale and do not represent detailed images of the respective products.
*OD = Outer diameter

■ **Similar products**

- H07RN-F, enhanced version refer to page 83
- H07ZZ-F refer to page 85
- H07RN8-F refer to page 90

■ **Accessories**

- SKINTOP® CLICK System refer to page 657
- EASY STRIP stripping and cutting tool refer to page 909
- PEW 8.87 crimping pliers refer to page 921
- KS 20 cable shears refer to page 908

ÖLFLEX® UNITRONIC® ETHERLINE® HITRONIC® EPIC® SILVYN® SKINTOP® FLEXIMARK® ACCESSORIES APPENDIX