

U.I. Lapp GmbH	PRODUCT INFORMATION	
	H07RN-F, enhanced version	29.11.2013

Heavy standard construction; Halogen-free; AD8-submersible; Conductor temperature, flexible: -40°C to +90°C

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

More water-resistant than H07RN-F

Conductor temperature range more suitable for outdoor installation and wider than H07RN-F, H07ZZ-F, H07BN4-F und NSSHÖU

H07RN-F <HAR>



Suitable for outdoor use



Good chemical resistance



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant



UV-resistant

Info

Medium mechanical stress

Flexible: -40°C to +90°C

AD8 submersion, Halogen-free, Ozone-resistant

Application range

Handheld and power supply devices according to HD 516


Medium, mechanical stress (H07RN-F)/ industrial, agricultural use

Submersion acc. AD8 standard

Outdoors acc. HD 516

For buildings or industrial plants with a high density of people or valuable assets

Product Management	Document: LAPP_PRO215328EN.pdf	1 / 5
--------------------	--------------------------------	-------

U.I. Lapp GmbH	PRODUCT INFORMATION	
	H07RN-F, enhanced version	29.11.2013

Design

Conductor made of bare, finely stranded copper strands acc. conductor class 5 in line with IEC 60228
Core insulation of special rubber
Outer sheath: special rubber compound

Norm references / Approvals

<HAR> H07RN-F cable type approval according to EN 50525-2-21
Beyond that, no further cable type approvals

Product features

Halogen-free and flame-retardant according to IEC 60332-1-2
Oil-resistant according to EN 60811-404
UV-resistant (black outer sheath) + Ozone-resistant acc. EN 60811
Good resistance to abrasion, atmospheric agents, grease and mineral oils
AD8 submersibility

Remark

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
Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

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:	Moved: 6 x Outer diameter Fixed installation: 4 x Outer diameter
Nominal voltage:	U ₀ /U: 450/750 V
Test voltage:	2500 V AC
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:	Moved: -40°C to +90°C Fixed installation: -50°C to +90°C

Product Management	Document: LAPP_PRO215328EN.pdf	2 / 5
--------------------	--------------------------------	-------

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
4533019	2 X 1,0	10,0	19.2
4533027	3 G 1,0	10,7	28.8
4533028	3 X 1,0	10,7	28.8
4533061	4 G 1,0	11,9	38.4
4533062	4 X 1,0	11,9	38.4
4533091	5 G 1,0	13,1	48.0
4533092	5 X 1,0	13,1	48.0
4533000	1 X 1,5	7,1	14.4
4533020	2 X 1,5	11,0	28.8
4533029	3 G 1,5	11,9	43.2
4533030	3 X 1,5	11,9	43.2
4533063	4 G 1,5	13,1	57.6
4533064	4 X 1,5	13,1	57.6
4533093	5 G 1,5	14,4	72.0
4533094	5 X 1,5	14,4	72.0
4533111	7 G 1,5	15,7	100.8
4533112	7 X 1,5	15,7	100.8
4533113	12 G 1,5	18,9	172.8
4533114	12 X 1,5	18,9	172.8
4533001	1 X 2,5	7,9	24.0
4533021	2 X 2,5	13,1	48.0
4533031	3 G 2,5	14,0	72.0
4533032	3 X 2,5	14,0	72.0
4533065	4 G 2,5	15,5	96.0
4533066	4 X 2,5	15,5	96.0
4533095	5 G 2,5	17,0	120.0
4533096	5 X 2,5	17,0	120.0
4533115	12 G 2,5	21,8	288.0
4533116	12 X 2,5	21,8	288.0
4533002	1 X 4	9,0	38.4
4533022	2 X 4	15,1	76.8
4533033	3 G 4	16,2	115.2
4533034	3 X 4	16,2	115.2
4533067	4 G 4	17,9	153.6

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
4533068	4 X 4	17,9	153.6
4533097	5 G 4	19,9	192.0
4533098	5 X 4	19,9	192.0
4533003	1 X 6	9,8	57.6
4533023	2 X 6	16,8	115.2
4533035	3 G 6	18.0	172.8
4533036	3 X 6	18.0	172.8
4533069	4 G 6	20.0	230.4
4533070	4 X 6	20.0	230.4
4533099	5 G 6	22,2	288.0
4533100	5 X 6	22,2	288.0
4533004	1 X 10	11,9	96.0
4533024	2 X 10	22,6	192.0
4533037	3 G 10	24,2	288.0
4533038	3 X 10	24,2	288.0
4533071	4 G 10	26,5	384.0
4533072	4 X 10	26,5	384.0
4533005	1 X 16	13,4	153.6
4533039	3 G 16	27,6	460.8
4533040	3 X 16	27,6	460.8
4533073	4 G 16	30,1	614.4
4533074	4 X 16	30,1	614.4
4533006	1 X 25	15,8	240.0
4533041	3 G 25	33.0	720.0
4533042	3 X 25	33.0	720.0
4533075	4 G 25	36,6	960.0
4533076	4 X 25	36,6	960.0
4533101	5 G 25	32,7	1200.0
4533102	5 X 25	32,7	1200.0
4533007	1 X 35	17,9	336.0
4533043	3 G 35	37,1	1008.0
4533044	3 X 35	37,1	1008.0
4533077	4 G 35	41,1	1344.0
4533078	4 X 35	41,1	1344.0

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
4533103	5 G 35	36,4	1680.0
4533104	5 X 35	36,4	1680.0
4533008	1 X 50	20,6	480.0
4533045	3 G 50	42,9	1440.0
4533046	3 X 50	42,9	1440.0
4533079	4 G 50	47,5	1920.0
4533080	4 X 50	47,5	1920.0
4533105	5 G 50	42,2	2400.0
4533106	5 X 50	42,2	2400.0
4533009	1 X 70	23,3	672.0
4533081	4 G 70	54.0	2688.0
4533082	4 X 70	54.0	2688.0
4533107	5 G 70	48,1	3360.0
4533108	5 X 70	48,1	3360.0
4533010	1 X 95	26.0	912.0
4533083	4 G 95	61.0	3648.0
4533084	4 X 95	61.0	3648.0
4533109	5 G 95	54,5	4560.0
4533110	5 X 95	54,5	4560.0
4533011	1 X 120	28,6	1152.0
4533085	4 G 120	66.0	4608.0
4533086	4 X 120	66.0	4608.0
4533012	1 X 150	31,4	1440.0
4533087	4 G 150	73.0	5760.0
4533088	4 X 150	73.0	5760.0
4533013	1 X 185	34,4	1776.0
4533089	4 G 185	80.0	7104.0
4533090	4 X 185	80.0	7104.0
4533014	1 X 240	38,3	2304.0
4533015	1 X 300	38,7	2880.0
4533016	1 X 400	40.0	3840.0
4533017	1 X 500	43.0	4800.0

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [AC Power Leads](#) category:

Click to view products by [Lapp Kabel](#) manufacturer:

Other Similar products are found below :

[1300000159](#) [1300030004](#) [1300000017](#) [1300000113](#) [6483](#) [70-841-030](#) [1300030156](#) [1300010059](#) [1300000197](#) [1300010120](#) [1300000110](#)
[1300010103](#) [1300000160](#) [1300000018](#) [1300030127](#) [1300000026](#) [1300000136](#) [1300000146](#) [1300000071](#) [1300030131](#) [1300000027](#)
[1300000166](#) [1300000235](#) [1300000167](#) [1300010011](#) [1300000168](#) [1300010029](#) [1300000169](#) [1300010095](#) [1300000222](#) [1300010030](#)
[PC20C13BL8.2](#) [PC20C13BL8.2-X](#) [07199-SP024](#) [PC14C13RD10-Q](#) [PC14C13YL10-Q](#) [LPCA16X](#) [LPCA21X](#) [NPCA16X](#) [NPCA21X](#)
[LPCA17X](#) [LPCA22X](#) [NPCA17X](#) [NPCA22X](#) [LPCA18X](#) [LPCA23X](#) [NPCA18X](#) [NPCA23X](#) [NPCA19X](#) [NPCA24X](#)