



**Description:** H07RN-F, enhanced version 5 G 1,0\_

**Lapp code:** Lapp 4533091

The **Test voltage** of the cable Lapp 4533091 is 2500 V AC.

## Application range

- Medium, mechanical stress and industrial and agricultural use as well as for handheld and power supply devices (H07RN-F according to HD 516/ VDE 0298-300)
- Drip loop torsion between the nacelle and the tower of wind turbine generators/ windmills down to -40 °C cable/ ambient temperature with 2,000 cycles and the angle of +/-150 °/m at 1 revolution per minute (=TW-2) - please see catalogue appendix T0 for further information
- Long-time water submersion (AD8) down to 100 m without interruption (no drinking water, minimum water temperature of +5 °C, standing water only, no areas with boat/ ship/ submarine traffic)
- Outdoors acc. HD 516
- For buildings or industrial plants with a high density of people or valuable assets

## Product Make-up

- 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
- Further dimensions from 1 mm<sup>2</sup> existent in the material master or on request

In our Cable list on next page you can find all interesting information acc. article Lapp 4533091 and much more.

## CABLE LIST - all informations you need you can find here

Product Name	Lapp Nr.	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
H07RN-F, enhanced version 2 X 1,0	Lapp 4533019	2 X 1,0	10,0	19,2	100
H07RN-F, enhanced version 3 G 1,0	Lapp 4533027	3 G 1,0	10,7	28,8	140
H07RN-F, enhanced version 3 X 1,0	Lapp 4533028	3 X 1,0	10,7	28,8	140
H07RN-F, enhanced version 4 G 1,0	Lapp 4533061	4 G 1,0	11,9	38,4	160
H07RN-F, enhanced version 4 X 1,0	Lapp 4533062	4 X 1,0	11,9	38,4	160
H07RN-F, enhanced version 5 G 1,0	Lapp 4533091	5 G 1,0	13,1	48,0	200
H07RN-F, enhanced version 5 X 1,0	Lapp 4533092	5 X 1,0	13,1	48,0	200
H07RN-F, enhanced version 1 X 1,5	Lapp 4533000	1 X 1,5	7,1	14,4	55
H07RN-F, enhanced version 2 X 1,5	Lapp 4533020	2 X 1,5	11,0	28,8	125
H07RN-F, enhanced version 3 G 1,5	Lapp 4533029	3 G 1,5	11,9	43,2	172
H07RN-F, enhanced version 3 X 1,5	Lapp 4533030	3 X 1,5	11,9	43,2	172
H07RN-F, enhanced version 4 G 1,5	Lapp 4533063	4 G 1,5	13,1	57,6	200
H07RN-F, enhanced version 4 X 1,5	Lapp 4533064	4 X 1,5	13,1	57,6	200
H07RN-F, enhanced version 5 G 1,5	Lapp 4533093	5 G 1,5	14,4	72,0	250
H07RN-F, enhanced version 5 X 1,5	Lapp 4533094	5 X 1,5	14,4	72,0	250
H07RN-F, enhanced version 7 G 1,5	Lapp 4533111	7 G 1,5	15,7	100,8	430
H07RN-F, enhanced version 7 X 1,5	Lapp 4533112	7 X 1,5	15,7	100,8	430
H07RN-F, enhanced version 12 G 1,5	Lapp 4533113	12 G 1,5	18,9	172,8	620
H07RN-F, enhanced version 12 X 1,5	Lapp 4533114	12 X 1,5	18,9	172,8	620
H07RN-F, enhanced version 1 X 2,5	Lapp 4533001	1 X 2,5	7,9	24,0	72
H07RN-F, enhanced version 2 X 2,5	Lapp 4533021	2 X 2,5	13,1	48,0	173
H07RN-F, enhanced version 3 G 2,5	Lapp 4533031	3 G 2,5	14,0	72,0	225
H07RN-F, enhanced version 3 X 2,5	Lapp 4533032	3 X 2,5	14,0	72,0	225
H07RN-F, enhanced version 4 G 2,5	Lapp 4533065	4 G 2,5	15,5	96,0	285
H07RN-F, enhanced version 4 X 2,5	Lapp 4533066	4 X 2,5	15,5	96,0	285

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H07RN-F, enhanced version 5 G 2,5	Lapp 4533095	5 G 2,5	17.0	120.0	345
H07RN-F, enhanced version 5 X 2,5	Lapp 4533096	5 X 2,5	17.0	120.0	345
H07RN-F, enhanced version 12 G 2,5	Lapp 4533115	12 G 2,5	21,8	288.0	850
H07RN-F, enhanced version 12 X 2,5	Lapp 4533116	12 X 2,5	21,8	288.0	850
H07RN-F, enhanced version 1 X 4	Lapp 4533002	1 X 4	9.0	38.4	98
H07RN-F, enhanced version 2 X 4	Lapp 4533022	2 X 4	15,1	76.8	239
H07RN-F, enhanced version 3 G 4	Lapp 4533033	3 G 4	16,2	115.2	325
H07RN-F, enhanced version 3 X 4	Lapp 4533034	3 X 4	16,2	115.2	325
H07RN-F, enhanced version 4 G 4	Lapp 4533067	4 G 4	17,9	153.6	395
H07RN-F, enhanced version 4 X 4	Lapp 4533068	4 X 4	17,9	153.6	395
H07RN-F, enhanced version 5 G 4	Lapp 4533097	5 G 4	19,9	192.0	485
H07RN-F, enhanced version 5 X 4	Lapp 4533098	5 X 4	19,9	192.0	485
H07RN-F, enhanced version 1 X 6	Lapp 4533003	1 X 6	9,8	57.6	127
H07RN-F, enhanced version 2 X 6	Lapp 4533023	2 X 6	16,8	115.2	330
H07RN-F, enhanced version 3 G 6	Lapp 4533035	3 G 6	18.0	172.8	415
H07RN-F, enhanced version 3 X 6	Lapp 4533036	3 X 6	18.0	172.8	415
H07RN-F, enhanced version 4 G 6	Lapp 4533069	4 G 6	20.0	230.4	535
H07RN-F, enhanced version 4 X 6	Lapp 4533070	4 X 6	20.0	230.4	535
H07RN-F, enhanced version 5 G 6	Lapp 4533099	5 G 6	22,2	288.0	648
H07RN-F, enhanced version 5 X 6	Lapp 4533100	5 X 6	22,2	288.0	648
H07RN-F, enhanced version 1 X 10	Lapp 4533004	1 X 10	11,9	96.0	192
H07RN-F, enhanced version 2 X 10	Lapp 4533024	2 X 10	22,6	192.0	590
H07RN-F, enhanced version 3 G 10	Lapp 4533037	3 G 10	24,2	288.0	712
H07RN-F, enhanced version 3 X 10	Lapp 4533038	3 X 10	24,2	288.0	712
H07RN-F, enhanced version 4 G 10	Lapp 4533071	4 G 10	26,5	384.0	920
H07RN-F, enhanced version 4 X 10	Lapp 4533072	4 X 10	26,5	384.0	920

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H07RN-F, enhanced version 1 X 16	Lapp 4533005	1 X 16	13,4	153.6	262
H07RN-F, enhanced version 3 G 16	Lapp 4533039	3 G 16	27,6	460.8	990
H07RN-F, enhanced version 3 X 16	Lapp 4533040	3 X 16	27,6	460.8	990
H07RN-F, enhanced version 4 G 16	Lapp 4533073	4 G 16	30,1	614.4	1290
H07RN-F, enhanced version 4 X 16	Lapp 4533074	4 X 16	30,1	614.4	1290
H07RN-F, enhanced version 1 X 25	Lapp 4533006	1 X 25	15,8	240.0	375
H07RN-F, enhanced version 3 G 25	Lapp 4533041	3 G 25	33.0	720.0	1395
H07RN-F, enhanced version 3 X 25	Lapp 4533042	3 X 25	33.0	720.0	1395
H07RN-F, enhanced version 4 G 25	Lapp 4533075	4 G 25	36,6	960.0	1930
H07RN-F, enhanced version 4 X 25	Lapp 4533076	4 X 25	36,6	960.0	1930
H07RN-F, enhanced version 5 G 25	Lapp 4533101	5 G 25	32,7	1200.0	2500
H07RN-F, enhanced version 5 X 25	Lapp 4533102	5 X 25	32,7	1200.0	2500
H07RN-F, enhanced version 1 X 35	Lapp 4533007	1 X 35	17,9	336.0	493
H07RN-F, enhanced version 3 G 35	Lapp 4533043	3 G 35	37,1	1008.0	1815
H07RN-F, enhanced version 3 X 35	Lapp 4533044	3 X 35	37,1	1008.0	1815
H07RN-F, enhanced version 4 G 35	Lapp 4533077	4 G 35	41,1	1344.0	2470
H07RN-F, enhanced version 4 X 35	Lapp 4533078	4 X 35	41,1	1344.0	2470
H07RN-F, enhanced version 5 G 35	Lapp 4533103	5 G 35	36,4	1680.0	3250
H07RN-F, enhanced version 5 X 35	Lapp 4533104	5 X 35	36,4	1680.0	3250
H07RN-F, enhanced version 1 X 50	Lapp 4533008	1 X 50	20,6	480.0	675
H07RN-F, enhanced version 3 G 50	Lapp 4533045	3 G 50	42,9	1440.0	2470
H07RN-F, enhanced version 3 X 50	Lapp 4533046	3 X 50	42,9	1440.0	2470
H07RN-F, enhanced version 4 G 50	Lapp 4533079	4 G 50	47,5	1920.0	3320
H07RN-F, enhanced version 4 X 50	Lapp 4533080	4 X 50	47,5	1920.0	3320
H07RN-F, enhanced version 5 G 50	Lapp 4533105	5 G 50	42,2	2400.0	4408
H07RN-F, enhanced version 5 X 50	Lapp 4533106	5 X 50	42,2	2400.0	4408

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Product Name	Lapp Nr.	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
H07RN-F, enhanced version 1 X 70	Lapp 4533009	1 X 70	23,3	672.0	914
H07RN-F, enhanced version 4 G 70	Lapp 4533081	4 G 70	54.0	2688.0	4420
H07RN-F, enhanced version 4 X 70	Lapp 4533082	4 X 70	54.0	2688.0	4420
H07RN-F, enhanced version 5 G 70	Lapp 4533107	5 G 70	48,1	3360.0	5863
H07RN-F, enhanced version 5 X 70	Lapp 4533108	5 X 70	48,1	3360.0	5863
H07RN-F, enhanced version 1 X 95	Lapp 4533010	1 X 95	26.0	912.0	1200
H07RN-F, enhanced version 4 G 95	Lapp 4533083	4 G 95	61.0	3648.0	5750
H07RN-F, enhanced version 4 X 95	Lapp 4533084	4 X 95	61.0	3648.0	5750
H07RN-F, enhanced version 5 G 95	Lapp 4533109	5 G 95	54,5	4560.0	7537
H07RN-F, enhanced version 5 X 95	Lapp 4533110	5 X 95	54,5	4560.0	7537
H07RN-F, enhanced version 1 X 120	Lapp 4533011	1 X 120	28,6	1152.0	1481
H07RN-F, enhanced version 4 G 120	Lapp 4533085	4 G 120	66.0	4608.0	6990
H07RN-F, enhanced version 4 X 120	Lapp 4533086	4 X 120	66.0	4608.0	6990
H07RN-F, enhanced version 1 X 150	Lapp 4533012	1 X 150	31,4	1440.0	1833
H07RN-F, enhanced version 4 G 150	Lapp 4533087	4 G 150	73.0	5760.0	8650
H07RN-F, enhanced version 4 X 150	Lapp 4533088	4 X 150	73.0	5760.0	8650
H07RN-F, enhanced version 1 X 185	Lapp 4533013	1 X 185	34,4	1776.0	2190
H07RN-F, enhanced version 4 G 185	Lapp 4533089	4 G 185	80.0	7104.0	9785
H07RN-F, enhanced version 4 X 185	Lapp 4533090	4 X 185	80.0	7104.0	9785
H07RN-F, enhanced version 1 X 240	Lapp 4533014	1 X 240	38,3	2304.0	2780
H07RN-F, enhanced version 1 X 300	Lapp 4533015	1 X 300	38,7	2880.0	3310
H07RN-F, enhanced version 1 X 400	Lapp 4533016	1 X 400	40.0	3840.0	4320
H07RN-F, enhanced version 1 X 500	Lapp 4533017	1 X 500	43.0	4800.0	5342