

■ H07RN-F (OnPd(żo) 450/750 V)

Power and telecommunication cables



TECHNICAL INFORMATION:

Conductor produced acc. to harmonised standard (H) for voltage 450/750 V (07), in EPR rubber insulation (R) and in chloroprene rubber sheath (N), with copper flexible multi-wire cores (F).

CONSTRUCTION:

Conductors acc. to standard	Conductor produced acc. to harmonised standard (H) for voltage 450/750 V (07), in EPR rubber insulation (R) and in chloroprene rubber sheath (N), with copper flexible multi-wire cores (F).			
Insulation	EPR rubber			
Sheath	chloroprene rubber			
Insulation colour	1-core: not standardised 2-core: blue, brown 3-core: green and yellow, blue, brown 4-core: green and yellow, brown, black, grey 5-core: green and yellow, blue, brown, black, grey 6-cores and more: green and yellow, the remaining cores black with digital imprint			
Maximum conductor operating temperature	+ 60 ° C			
Lowest ambient temperature for fixed installation:	- 40° C			
Lowest ambient temperature for mobile installation:	- 25° C			
Nominal voltage	450/750 V			
Minimum bending radius	conductor outer diameter D [mm]			
	D ≤ 8	8 < D ≤ 12	12 < D ≤ 20	D > 20
installed permanently	3D	3D	4D	4D
connected to mobile or portable device – no mechanical load on the conductor	4D	4D	5D	6D
under acceptable mechanical load	6D	6D	6D	8D
Application	conductors are dedicated to power electrical portable and mobile devices at working households and in industry in moderate climate			
Packing	colis, drums			

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Number and nominal cross-section of conductor [n x mm ²]	Approximate external cable diameter [mm]	Approximate cable weight [kg/km]
1 x 1,5	5,9	48
1 x 2,5	6,6	65
1 x 4	7,5	88
1 x 6	8,3	114
1 x 10	10,2	179
1 x 16	11,5	248
1 x 25	13,3	356
1 x 35	14,4	465
1 x 50	17,2	654
1 x 70	19,3	880
1 x 95	22,4	1150
1 x 120	23,9	1415
1 x 150	26,5	1450
1 x 185	29,6	2130
1 x 240	31,7	2710
1 x 300	35,9	3370
1 x 400	38,6	4310
1 x 500	44,0	5415
1 x 630	48,6	6670
2 x 1	8,3	87
2 x 1,5	9,3	111
2 x 2,5	11,1	163
2 x 4	12,6	219
2 x 6	14,2	290
2 x 10	19,3	524
2 x 16	22,0	714
2 x 25	25,8	1020
3 x 0,75	8,3	91
3 x 1	9,0	104
3 x 1,5	10,0	136
3 x 2,5	11,9	197
3 x 4	13,6	269
3 x 6	15,4	358
3 x 10	20,8	645
3 x 16	23,6	893
3 x 25	27,7	1280
3 x 35	29,9	1640
3 x 50	35,9	2320
3 x 70	40,3	3085
3 x 95	46,7	4070
3 x 120	49,6	4925
3 x 150	55,3	6120
3 x 185	61,8	7470
3 x 240	67,2	9510

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3 x 300	80,2	13940
4 x 1	9,9	131
4 x 1,5	11,0	169
4 x 2,5	13,1	246
4 x 4	14,9	334
4 x 6	16,9	456
4 x 10	22,5	807
4 x 16	25,8	1120
4 x 25	30,6	1645
4 x 35	33,1	2105
4 x 50	39,7	2980
4 x 70	44,8	3985
4 x 95	52,2	5300
4 x 120	55,0	6365
4 x 150	61,5	7945
4 x 185	68,8	9710
4 x 240	79,1	12180
4 x 300	82,3	15000
5 x 1	10,9	162
5 x 1,5	12,1	207
5 x 2,5	14,4	301
5 x 4	16,6	421
5 x 6	18,8	569
5 x 10	24,9	908
5 x 16	28,6	1385
5 x 25	33,8	2025
5 x 35	36,3	2550
5 x 50	41,9	3510
5 x 70	52,1	4221
5 x 95	55,2	5250
6 x 0,75	12,6	193
6 x 1,0	13,1	220
6 x 1,5	14,7	305
7 x 1,0	13,9	320
7 x 1,5	16,1	350
7 x 2,5	18,0	438
7 x 6	22,5	836
9 x 1,5	17,9	399
12 x 1,5	19,1	455
14 x 1,5	19,6	525
14 x 2,5	23,1	752
16 x 1,0	19,1	498
16 x 1,5	20,9	629
18 x 1,5	22,4	660
24 x 1,5	26,1	860
27 x 2,5	31,0	1362
36 x 1,5	29,7	1400
37 x 1,5	30,3	1245

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6 x 2,5	17,2	415
7 x 2,5	18,3	450
9 x 2,5	21,4	625
12 x 2,5	22,3	655
18 x 2,5	26,3	950
19 x 2,5	27,0	1000
24 x 2,5	30,9	1650
36 x 2,5	35,5	2100
6 x 4	20,1	615
7 x 4	23,5	680
12 x 4	26,7	1230
18 x 4	31,4	1520

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