

H07RN8-F waterproof rubber-sheathed cable, harmonized type



Technical data

- Water resistant heavy hose pipe to DIN VDE 0285-525-2-21 / DIN EN 50525-2-21
- **Temperature range**
flexing -25°C
fixed installation -40°C
in water max. +40°C
- Permissible **operating temperature** at conductor +60°C
- **Nominal voltage** U₀/U 450/750 V
in case of protected and fixed installation
U₀/U 600/1000 V
- **Test voltage** 2500 V
- **Permanent tensile load**
max. 15 N/mm²
- **Minimum bending radius**
flexing 6x cable Ø
fixed installation 4x cable Ø

Cable structure

- Bare copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of rubber compound type EI4 to DIN VDE 0207-363-1 / DIN EN 50363-1
- Core identification to DIN VDE 0293-308
- up to 5 cores coloured
- from 6 cores, black with continuous white numbering
- GN-YE conductor, 3 cores and above
- Cores stranded in layers with optimal lay-length
- Outer sheath of special polychloroprene rubber
- Outer sheath black

Properties

- **Resistant to**
Ozone
Weather
- The core identification of a single core sheathed, of an insulated wire is black.
- **Tests**
• Oil resistant acc. to DIN VDE 0473-811-404/ DIN EN 60811-404
• Behaviour in fire
to DIN VDE 0482-332-1-2
DIN EN 60332-2-1, IEC 60332-1 (equivalent
DIN VDE 0472 part 804 test method B)

Note

- G = with green-yellow conductor
x = without green-yellow conductor
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

Specifically designed for use in fresh water up to 10 m water depth and a maximum water temperature of 40°C for connection of submersible pumps and similar applications. Not suitable for underwater power transmission systems or in waterways or in areas where mechanical damage is possible which represent a potential danger.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. cores x cross-sec. mm ²	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
37287	1 x 1,5	5,7 - 7,1	14,4	58,0	16
37288	1 x 2,5	6,3 - 7,9	24,0	71,0	14
37289	1 x 4	7,2 - 9,0	38,0	100,0	12
37290	1 x 6	7,9 - 9,8	58,0	130,0	10
37291	1 x 10	9,5 - 11,9	96,0	230,0	8
37292	1 x 16	10,8 - 13,4	154,0	290,0	6
37293	1 x 25	12,7 - 15,8	240,0	420,0	4
37294	1 x 35	14,3 - 17,9	336,0	530,0	2
37295	1 x 50	16,5 - 20,6	480,0	750,0	1
37296	1 x 70	18,6 - 23,3	672,0	960,0	2/0
37297	1 x 95	20,8 - 26,0	912,0	1250,0	3/0
37298	1 x 120	22,8 - 28,6	1152,0	1560,0	4/0
37299	1 x 150	25,2 - 31,4	1440,0	1900,0	300 kcmil
37300	1 x 185	27,6 - 34,4	1776,0	2300,0	350 kcmil
37301	1 x 240	30,6 - 38,3	2304,0	2950,0	500 kcmil
37302	1 x 300	33,5 - 41,9	2880,0	3600,0	600 kcmil
37303	1 x 400	37,4 - 46,8	3840,0	4600,0	750 kcmil
37304	1 x 500	41,3 - 52,0	4800,0	6000,0	1000 kcmil
37305	2 x 1	7,7 - 10,0	19,0	98,0	18
37306	2 x 1,5	8,5 - 11,0	29,0	135,0	16
37307	2 x 2,5	10,2 - 13,1	48,0	193,0	14
37308	2 x 4	11,8 - 15,1	77,0	280,0	12
37309	2 x 6	13,1 - 16,8	115,0	330,0	10
37310	2 x 10	17,7 - 22,6	192,0	586,0	8
37311	2 x 16	20,2 - 25,7	307,0	810,0	6
37312	2 x 25	24,3 - 30,7	480,0	1160,0	4
37313	3 G 1	8,3 - 10,7	29,0	130,0	18
37314	3 G 1,5	9,2 - 11,9	43,0	165,0	16
37315	3 G 2,5	10,9 - 14,0	72,0	235,0	14
37316	3 G 4	12,7 - 16,2	115,0	320,0	12
37317	3 G 6	14,1 - 18,0	173,0	420,0	10
37318	3 G 10	19,1 - 24,2	288,0	810,0	8
37319	3 G 16	21,8 - 27,6	461,0	1050,0	6
37320	3 G 25	26,1 - 33,0	720,0	1250,0	4
37321	3 G 35	29,3 - 37,1	1008,0	1900,0	2
37322	3 G 50	34,1 - 42,9	1440,0	2600,0	1

Part no.	No. cores x cross-sec. mm ²	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
37323	3 G 70	38,4 - 48,3	2016,0	3400,0	2/0
37324	3 G 95	43,3 - 54,0	2736,0	4450,0	3/0
37325	3 G 120	47,4 - 60,0	3456,0	5180,0	4/0
37326	3 G 150	52,0 - 66,0	4320,0	6500,0	300 kcmil
37327	3 G 185	57,0 - 72,0	5328,0	7860,0	350 kcmil
37328	3 G 240	65,0 - 82,0	6192,0	10224,0	500 kcmil
37329	3 G 300	72,0 - 90,0	8640,0	12620,0	600 kcmil
37330	4 G 1	9,2 - 11,9	38,0	150,0	18
37331	4 G 1,5	10,2 - 13,1	58,0	200,0	16
37332	4 G 2,5	12,1 - 15,5	96,0	290,0	14
37333	4 G 4	14,0 - 17,9	154,0	395,0	12
37334	4 G 6	15,7 - 20,0	230,0	540,0	10
37335	4 G 10	20,9 - 26,5	384,0	950,0	8
37336	4 G 16	23,8 - 30,1	614,0	1260,0	6
37337	4 G 25	28,9 - 36,6	960,0	1860,0	4
37338	4 G 35	32,5 - 41,1	1344,0	2380,0	2
37339	4 G 50	37,7 - 47,5	1920,0	3190,0	1
37340	4 G 70	42,7 - 54,0	2688,0	4260,0	2/0
37341	4 G 95	48,4 - 61,0	3648,0	5600,0	3/0
37342	4 G 120	53,0 - 66,0	4608,0	6830,0	4/0
37343	4 G 150	58,0 - 73,0	5760,0	8320,0	300 kcmil
37344	4 G 185	64,0 - 80,0	7104,0	9800,0	350 kcmil
37345	4 G 240	72,0 - 91,0	9216,0	12100,0	500 kcmil
37346	4 G 300	80,0 - 101,0	11520,0	15200,0	600 kcmil
37354	5 G 1	10,2 - 13,1	48,0	175,0	18
37347	5 G 1,5	11,2 - 14,4	72,0	240,0	16
37348	5 G 2,5	13,3 - 17,0	120,0	345,0	14
37349	5 G 4	15,6 - 19,9	192,0	485,0	12
37350	5 G 6	17,5 - 22,2	288,0	650,0	10
37351	5 G 10	22,9 - 29,1	480,0	1200,0	8
37352	5 G 16	26,4 - 33,3	768,0	1550,0	6
37353	5 G 25	32,0 - 40,4	1200,0	2250,0	4
37355	6 G 1,5	13,4 - 17,2	87,0	171,0	16
37356	6 G 2,5	15,7 - 20,0	144,0	279,0	14
37357	12 G 1,5	17,6 - 22,4	173,0	340,0	16
37358	12 G 2,5	20,6 - 26,2	288,0	571,0	14

Dimensions and specifications may be changed without prior notice. (RI01)