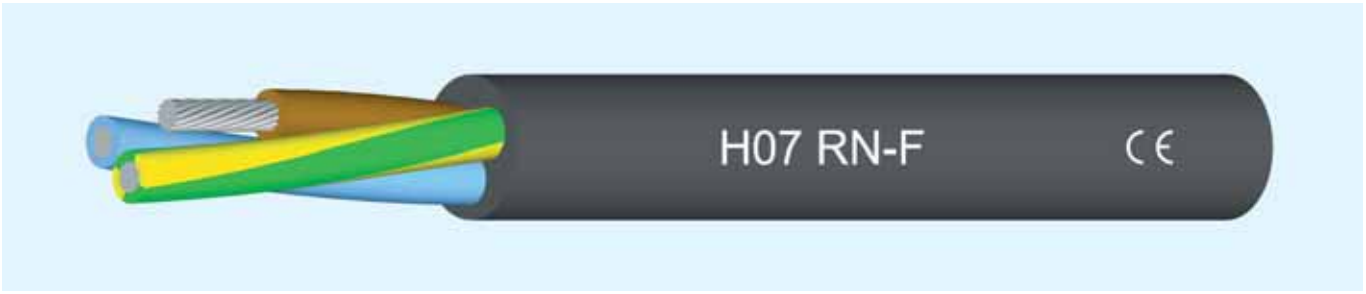
H07 RN-F

Rubber-sheated cables, harmonized type



Cable structure

- Stranded bare or tinned copper conductor according to DIN VDE 0295 and IEC 60228 cl. 5 and HD 383
- Rubber core insulation
- Cores color coding according to DIN VDE 0293-308, HD186
  - 1-core: black
  - 2-core: blue/brown
  - 3-core: green-yellow/blue/brown
  - 4-core: green-yellow/brown/black/grey
  - 5-core: green-yellow/blue/brown/black/grey
  - 7-cores and more: green-yellow and black cores with white numbers
  - Cores stranded in layers with optimal lay-lenght
  - Sheath of chloroprene rubber
  - Self-extinguishing and flame retardant to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Rubber insulated cable according to DIN VDE 0282 part 4 HD 22.4 S3 IEC 60245-4
- **Temperature range** from -30 °C to +60 °C
- **Max. permissible operating temperature** at conductor +60 °C
- **Nominal voltage** U_O/U 450/750 V
- **Max. permissible operating voltage**
  - a.c. U_O/U 495/825 V
  - d.c. U_O/U 743/1238 V
- **Test voltage a.c.** 2500 V
- **Permanent tensile load** max. 15 N/mm²
- **Minimum bending radius**
  - fixed 4× cable diameter
  - flexing 7,5× cable diameter

Application

Flexible cable from chloroprene rubber for medium mechanical load in dry, moist and wet environments. These cables are used in manufacturing works, for connecting appliances such as boilers, heaters, hand lamps, electrical tools (drilling machines, circular saws) as well as mobile motors, machines on building sites and in agriculture. These cables are suitable for fixed or flexible applications in temporary installations as well as for direct laying on components and mechanical parts of machines, lifts etc. These flexible cables can be used either in protective fixed installations in tubes and devices or as a supply for engines with nominal a.c. up to 1000 V or d.c. up to 750 V against ground. The cable is resistant to ozone and weather effects.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC
Other sizes and cross-section available on request.
Conforms to RoHS.

Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0737001	1 × 1,5	5,7 - 7,1	14,4	55
0737002	1 × 2,5	6,3 - 7,9	24,0	85
0737003	1 × 4	7,2 - 9,0	38,0	105
0737004	1 × 6	7,9 - 9,8	58,0	140
0737005	1 × 10	9,5 - 11,9	96,0	210
0737006	1 × 16	10,8 - 13,4	154,0	290
0737007	1 × 25	12,7 - 15,8	240,0	410
0737008	1 × 35	14,3 17,9	336,0	560
0737009	1 × 50	16,5 - 20,6	480,0	740
0737010	1 × 70	18,6 - 23,3	672,0	1050
0737011	1 × 95	20,8 - 26,0	912,0	1300
0737012	1 × 120	22,8 - 28,6	1152,0	1560
0737013	1 × 150	25,2 - 31,4	1440,0	2000
0737014	1 × 185	27,6 - 34,4	1776,0	2300
0737015	1 × 240	30,6 - 38,3	2304,0	3100
0737016	1 × 300	33,5 - 41,9	2880,0	3490
0737017	1 × 400	37,4 - 46,8	3840,0	4600
0737019	2 × 1	7,7 - 10,0	19,0	99
0737020	2 × 1,5	8,5 - 11,0	29,0	130
0737021	2 × 2,5	10,2 - 13,1	48,0	190
0737022	2 × 4	11,8 - 15,1	77,0	240
0737023	2 × 6	13,1 - 16,8	115,0	330
0737024	2 × 10	17,7 - 22,6	192,0	590
0737025	2 × 15	20,2 - 25,7	307,0	810
0737026	2 × 25	24,3 - 30,7	480,0	1160

Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0737027	3 G 1	8,3 - 10,7	29,0	120
0737028	3 G 1,5	9,2 - 11,9	43,0	150
0737029	3 G 2,5	10,9 - 14,0	72,0	220
0737030	3 G 4	12,7 - 16,2	115,0	305
0737031	3 G 6	14,1 - 18,0	173,0	495
0737032	3 G 10	19,1 - 24,2	288,0	880
0737033	3 G 16	21,8 - 27,6	461,0	1260
0737034	3 G 25	26,1 - 33,0	720,0	1450
0737035	3 G 35	29,3 - 37,1	1008,0	1900
0737036	3 G 50	34,1 - 42,9	1440,0	2580
0737037	3 G 70	38,4 - 48,3	2016,0	3430
0737038	3 G 95	43,3 - 54,0	2736,0	4450
0737039	3 G 120	47,4 - 60,0	3456,0	5180
0737040	3 G 150	52,0 - 66,0	4320,0	6500
0737041	3 G 185	57,0 - 72,0	5328,0	7860
0737042	3 G 240	65,0 - 82,0	6192,0	10220
0737043	3 G 300	72,0 - 90,0	8640,0	12620
0737044	4 G 1	9,2 - 11,9	38,0	129
0737045	4 G 1,5	10,2 - 13,1	58,0	190
0737046	4 G 2,5	12,1 - 15,5	96,0	280
0737047	4 G 4	14,0 - 17,9	154,0	390
0737048	4 G 6	15,7 - 20,0	230,0	520
0737049	4 G 10	20,9 - 26,5	384,0	950
0737050	4 G 16	23,8 - 30,1	614,0	1400
0737051	4 G 25	28,9 - 36,6	960,0	1950
0737052	4 G 35	32.5 - 41,1	1344,0	2700

H07 RN-F

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Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0737053	4 G 50	37,7 - 47,5	1920,0	3600
0737054	4 G 70	42,7 - 54,0	2688,0	4900
0737055	4 G 95	48,4 - 61,0	3648,0	6200
0737056	4 G 120	53,0 - 66,0	4608,0	7800
0737057	4 G 150	58,0 - 73,0	5760,0	9730
0737058	4 G 185	64,0 - 80,0	7104,0	12080
0737059	4 G 240	72,0 - 91,0	9216,0	13130
0737060	4 G 300	80,0 - 101,0	11520,0	16140
0737061	5 G 1,5	11,2 - 14,4	72,0	230
0737062	5 G 2,5	13,3 - 17,0	120,0	340
0737063	5 G 4	15,6 - 19,9	192,0	470
0737064	5 G 6	17,5 - 22,2	288,0	640
0737065	5 C 10	22,9 - 29,1	480,0	1150

Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0737066	5 C 16	26,4 - 33,5	768,0	1700
0737067	5 G 25	32,0 - 40,4	1200,0	2400
0737068	5 G 35	36,0 - 44,0	1680,0	2640
0737091	5 G 50	43,0 - 51,0	2400,0	3700
0737091	5 G 70	52,0 - 59,0	3360,0	5270
(H)07RN-F				
0737092	7 G 1,5	14,0 - 17,5	101,0	365
0737079	7 G 2,5	16,5 - 20,0	168,0	498
0737093	12 G 1,5	18,0 - 22,0	173,0	515
0737094	12 G 2,5	21,5 - 25,5	288,0	715
0737095	19 G 1,5	21,5 - 25,5	274,0	790
0737096	19 G 2,5	25,0 - 29,5	456,0	1095
0737097	27 G 1,5	25,5 - 31,5	389,0	1096
0737098	27 G 2,5	30,5 - 37,0	640,0	1519

H05 RN-F, H05 RR-F

Rubber-sheated cables, harmonized type

Cable structure

- Stranded bare or tinned copper conductor according to DIN VDE 0295 and IEC 60228 cl. 5 and HD 383
- Rubber core insulation EPR
- Cores color coding according to DIN VDE 0293-308, HD186
  1-core: black
  2-core: blue/brown
  3-core: green-yellow/blue/brown
  4-core: green-yellow/brown/black/grey
  5-core: green-yellow/blue/brown/black/grey
- Cores stranded in layers with optimal lay lenght
- H05 RN-F sheath of chloroprene rubber according to DIN VDE 0282 part 1
- H05 RR-F sheath of chloroprene rubber EPR according to DIN VDE 0282 part 1
- Self-extinguishing and flame resistant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Rubber insulated cable with DIN VDE 0282 part 4, HD 22.4 S3, IEC 60245-4
- **Temperature range** from -30 °C to +60 °C
- **Max. permissible operating temperature** at conductor +60 °C
- **Nominal voltage** U_O/U 300/500 V
- **Max. permissible operating voltage**
  a.c. U_O/U 330/550 V
  d.c. U_O/U 495/825 V
- **Test voltage a.c.** 2000 V
- **Minimum bending radius** 7,5× cable diameter

Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
H05 RN-F				
0736001	2 × 0,75	5,7 - 7,4	14,4	78
0736002	2 × 1	6,1 - 8,0	19,0	94
0736003	3 G 0,75	6,2 - 8,1	21,6	94
0736004	3 G 1	6,5 - 8,5	29,0	114
0736005	3 G 1,5	8,6 - 11,0	43,0	157
0736008	4 G 0,75	6,8 - 8,8	29,0	90
0736006	5 G 1,5	10,5 - 13,5	72,0	228

Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
H05 RR-F				
0735001	2 × 0,75	5,7 - 7,4	14,4	61
0735002	2 × 1	6,1 - 8,0	19,0	72
0735003	2 × 1,5	7,6 - 9,8	29,0	110
0735004	2 × 2,5	9,0 - 11,6	48,0	150
0735005	3 G 0,75	6,2 - 8,1	21,6	74
0735006	3 G 1	6,5 - 8,5	29,0	85
0735007	3 G 1,5	8,0 - 10,4	43,0	125
0735008	3 G 2,5	9,6 - 12,4	72,0	180
0735015	3 G 4	11,3 - 14,5	115,0	230
0735009	4 G 0,75	6,8 - 8,8	29,0	80
0735010	4 G 1	7,1 - 9,3	38,0	100
0735011	4 G 1,5	9,0 - 11,6	58,0	160
0735012	4 G 2,5	10,7 - 13,8	96,0	240
0735016	4 G 4	12,7 - 16,2	154,0	308
0735017	5 G 1	8,0 - 10,3	47,5	95
0735013	5 G 1,5	9,8 - 12,7	72,0	195
0735014	5 G 2,5	11,9 - 15,3	120,0	290