

H05 RN-F, H05 RR-F

Rubber-sheathed 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, 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 length
- 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 to DIN VDE 0472 part 804 cl. B, 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 U₀/U 300/500 V
- Max. permissible operating voltage a. c. U₀/U 330/550 V; d.c. U₀/U 495/825 V
- Test voltage a.c. 50 Hz 2000 V
- Minimum bending radius 7,5x cable ø

Application

Cables H05 RN-F are used for medium mechanical stress in dry, moist and wet environments, in industrial works for example for boilers, heaters, hand lamps, electrical appliances such as drilling machines, circular saws as well as mobile motors, machines on building sites and in agriculture. Cables H05 RR-F are designed for low mechanical stress in dry, moist and wet environments, for general use in habitable rooms, kitchens, offices for connecting appliances that are exposed to low mechanical stress (cleaners, electric toasters, coffee-mills etc.). These cables are not suitable for permanent outer use in industrial or agricultural workshops or for connecting appliances not used in households.

Note:

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.

Table

Ordering code	Number of cores	× core cross-section[mm ²]	Approx. outer ø [mm]	Copper 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
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