

Datasheet H05RR-F (GML)

Version 1/2009

Rubber Sheathed Cable for Weak Mechanical Stress

Application:

For general use in dry locations for connections of electrical apparatus submitted to weak mechanical strength, like vacuum cleaner, kitchen appliance, etc. unsuitable for industrial and agricultural use.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of rubber
- 3 outer sheath of ordinary ethylene propylene rubber, black

According to:

DIN VDE 0282-4
DIN EN 60228 class 5 (construction)
HD 308 S2 (core identification)
HD 22.4 S4:2004

Technical data:

Nominal voltage U ₀ /U	[V]	300 / 500 Volt
Test voltage	[V] _{AC}	2000
Temperature range	in motion	-25 °C till +60 °C
Operating temperature	short circuit	200
Short circuit time	max.	[sec] 5
Bending radius	one time / fixed	x diameter 4
Bending radius	in motion	x diameter 8
Flammability	standard	EN 60332-1-2

Number of cores and nominal cross section	Copper figure	Cond. construction (appr. value)	Overall diameter	Weight
mm ²	kg/km	(appr. value) mm	appr. mm	appr. kg / km
2 X 0,75	15,0	24 x 0,21	6,2	56
3 G 0,75	22,5	24 x 0,21	6,7	72
4 G 0,75	30,0	24 x 0,21	7,3	86
5 G 0,75	37,5	24 x 0,21	8,2	109
2 X 1	20,0	32 x 0,21	6,8	68
3 G 1	30,0	32 x 0,21	7,2	82
4 G 1	40,0	32 x 0,21	7,8	98
2 X 1,5	30,0	30 x 0,26	8,2	101
3 G 1,5	45,0	30 x 0,26	8,8	120
4 G 1,5	60,0	30 x 0,26	9,8	155
5 G 1,5	75,0	30 x 0,26	10,7	185
2 X 2,5	50,0	50 x 0,26	9,7	145
3 G 2,5	75,0	50 x 0,26	10,2	180
4 G 2,5	100,0	50 x 0,26	11,2	225
5 G 2,5	125,0	50 x 0,26	12,7	282