

Datasheet H07BQ-F

Version 1/2009

Polyurethane Building Site Cable with Rubber Insulated Conductors

Application:

This termination and connection cable with high mechanical stress-resistance can be used in dry, damp or wet rooms as well as in the open-air. It is ideal for application in industrial plants, building sites, in fact everywhere where extreme wear and tear resistance is required and where the cable is subjected to hard utilisation.



Construction:

- 1 fine-stranded tinned or bare copper
- 2 core insulation of a rubber compound (EL6)
- 3 outer sheath of polyurethane (PUR), orange

Info:

with or without inner sheath available

According to:

- DIN VDE 0282-10
- HD 22.10 S1+A1
- DIN EN 60228 class 5 (construction)
- HD 308 S2 (core identification)

Technical data:

Nominal voltage U ₀ /U	[V]	450 / 750 Volt
Test voltage	[V] _{AC}	2500
Temperature range	in motion	-40 °C till +90 °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 5
Oil-resistant	standard	EN 60811-2-1
Flammability	standard	EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
2 X 1,5	30	30 x 0,26	8,8	88
3 G 1,5	45	30 x 0,26	9,3	110
4 G 1,5	60	30 x 0,26	10,3	140
5 G 1,5	75	30 x 0,26	11,2	169
7 G 1,5	105	30 x 0,26	14,0	291
3 G 2,5	75	50 x 0,26	11,0	163
4 G 2,5	100	50 x 0,26	12,2	208
5 G 2,5	125	50 x 0,26	13,5	257
7 G 2,5	175	50 x 0,26	16,5	431
4 G 4	160	56 x 0,31	14,0	293
5 G 4	200	56 x 0,31	15,6	365
5 G 6	300	84 x 0,31	17,6	504
5 G 10	500	80 x 0,41	23,2	962
5 G 16	800	128 x 0,41	27,1	1.379
5 G 25	1.250	200 x 0,41	33,3	2.169

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7 G 1,5	105	30 x 0,26	14,0	291
7 G 2,5	175	50 x 0,26	16,5	431
12 G 1,5	180	30 x 0,26	18,0	446
12 G 2,5	300	50 x 0,26	21,0	641