



H07BQ-F

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, halogen-free

Standards:

- DIN VDE 0285-525-2-21
- 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°C
Short circuit time	max.	[sec] 5
Bending radius	one time / fixed	x diameter 4
	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	from stock	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
2 X 1	●	20	30 x 0,21	7,4	61
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
2 X 2,5	○	50	50 x 0,26	10,4	129
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
3 G 4	○	120	56 x 0,31	13,1	236
4 G 4	●	160	56 x 0,31	14,0	293
5 G 4	●	200	56 x 0,31	15,6	365
4 G 6	○	240	84 x 0,31	15,2	346
5 G 6	●	300	84 x 0,31	17,6	504
4 G 10	○	400	80 x 0,41	20,2	702
5 G 10	●	500	80 x 0,41	23,2	962
4 G 16	○	640	128 x 0,41	22,8	981
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



Number of cores and nominal cross section mm ²	from stock	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
07BQ-F					
5 G 35	●	1.750	280 x 0,41	36,5	2.600
5 G 50	●	2.500	356 x 0,51	43,2	3.700
5 G 70	●	3.500	485 x 0,51	52,6	4.510
5 G 95	●	4.750	614 x 0,51	60,0	7.274
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