

## H07BQ-F

### Application

These cables can be used for medium mechanical loads in dry, damp or wet environments, e.g. for connecting agricultural and commercial equipment and heaters provided there is no danger of contact with the hot parts or by radiation of heat. These robust and flexible cables are used for electrical tools such as drills and hand-held circular saws, as well as for portable motors and machinery in agriculture, at building sites, docks and refrigeration plants.

The materials used are free from silicon and cadmium and free from varnish damaging substances.

### Standards

DIN VDE 0282-10, HD 22.10 S1+A1, self-extinguishing and flame retardant acc. to DIN EN 60332-1-2, IEC 60332-1

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

### Construction

<b>Inner Conductor</b>	fine-stranded bare copper acc. DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
<b>Core Insulation</b>	rubber compound (EI6)
<b>Core Color</b>	HD 308 S2
<b>Stranding Elements</b>	cores stranded in layers with optimal layer-length
<b>Outer Insulation Material</b>	PUR-TMPU acc. to DIN VDE 0282 part 10, appendix A
<b>Constant Against</b>	oils and greases, petrol, water and weathering effects, oxygen and ozone, uv-radiation, hydrolysis, microbial attack



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## Technical Data

<b>Nominal Voltage</b>	U <sub>0</sub> /U: 450 /750 V
<b>Nominal Volatage DC</b>	U <sub>0</sub> /U: 0 /0
<b>Test Voltage</b>	2500 V
<b>Bending Radius moved (xD)</b>	5
<b>Bending Radius fixed (xD)</b>	4
<b>Operating Temperature solid</b>	-40 °C bis 90 °C
<b>Operating Temperature moving</b>	-40 °C bis 80 °C
<b>Short Circuit Temperature</b>	250 °C
<b>Short Circuit Duration</b>	5 sek.
<b>Fire Classes</b>	Eca

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Prod. Nr. Prod. Nr.	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
00803008	2 x 1,5	orange - orange	85,0	7,9
00803024	2 x 2,5	orange - orange	121,0	8,9
00803026	3 G 1,5	orange - orange	105,0	8,4
00803088	3 G 1,5	blue (similar RAL 5015) - blue (similar RAL 5015)	105,0	8,4
00803015	3 G 2,5	orange - orange	155,0	9,9
00803100	3 G 4	orange - orange	220,0	11,7
00803010	4 G 1,5	orange - orange	135,0	9,4
00803012	4 G 2,5	orange - orange	245,0	11,0
00803013	4 G 4	orange - orange	296,0	12,9
00803033	4 G 6	orange - orange	496,0	14,6
00803025	4 G 16	orange - orange	1.187,0	22,2
00803077	4 G 35	orange - orange	2.374,0	36,8
00803099	4 G 50	orange - orange	2.920,0	41,0
00803011	5 G 1,5	orange - orange	165,0	10,2
00803017	5 G 2,5	orange - orange	280,0	12,3
00803020	5 G 4	orange - orange	415,0	14,4
00803019	5 G 6	orange - orange	485,0	16,2
00803022	5 G 10	orange - orange	962,0	21,7
00803023	5 G 16	orange - orange	1.119,0	26,9
00803016	5 G 25	orange - orange	2.169,0	33,3
00803037	5 G 35	orange - orange	2.480,0	38,0
00803036	5 G 50	orange - orange	3.640,0	44,0
00803034	5 G 70	orange - orange	4.840,0	55,0
00803035	5 G 95	orange - orange	6.320,0	60,0

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00803018	7 G 1,5	orange - orange	291,0	14,0
00803098	7 G 2,5	orange - orange	431,0	16,5
00803021	12 G 1,5	orange - orange	398,0	15,0