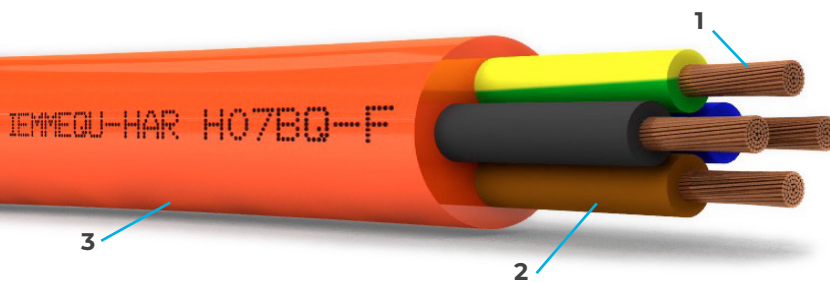
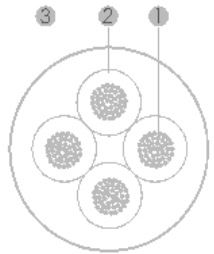


Power cables H05BQ-F and H07BQ-F



1. Electrolytic bare copper flexible conductor
2. Type EI6 halogen-free cross-linked insulation
3. Thermoplastic halogen-free PUR jacket (TMPU)



APPLICATIONS



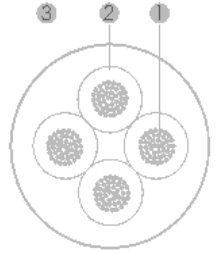
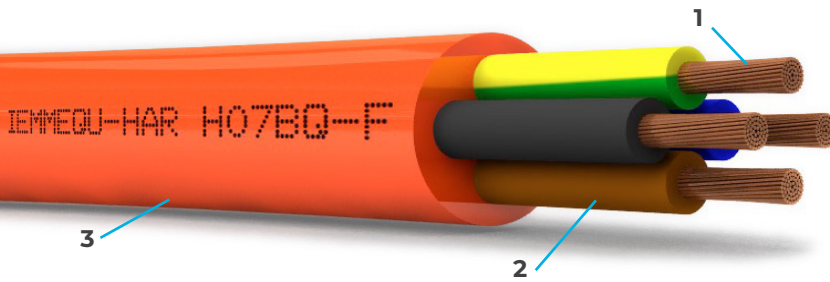
Suitable for installation in wet or humid places (AD6 or AD7), outdoor uses and for interconnection where medium mechanical injuries could occur : equipment for industrial and agricultural workshops, power tools (drills, circular saws, portable motors and generators) in building-yard and agricultural installations, Particularly suitable where the cable is undergone to high abrasion and tear efforts.

Technical Data			
Temperature range	5 ÷ 90 °C -40 ÷ 90 °C @ fixed installation	Suitable for outdoor use	
Rated voltage	300/500 V _{AC} (H05BQ-F) 450/750 V _{AC} (H07BQ-F)	Suitable for fixed installation	
Test voltage	2000 V _{AC} (H05BQ-F) 2500 V _{AC} (H07BQ-F)	Bending radius	≥ 8xD (fixed) ≥ 10xD (mobile)
Short-circuit temperature	250 °C	Halogen-free	EN 50525-1, EN 50267-2-2,
Oil resistance	EN 50363-10-2		EN 50267-2-1, EN 60884-2

Size conductor [mm ²]	Conductor stranding [N° x mm]	Electrical resistance [Ω / Km]	Diameter on insulation [mm]	Radial thickness of insulation [mm]
0.75	24 x 0.193	≤ 26.0	2.33 ± 0.1	≥ 0.60
1	32 x 0.193	≤ 19.5	2.47 ± 0.1 (H05BQ-F) 2.85 ± 0.1 (H07BQ-F)	≥ 0.60 (H05BQ-F) ≥ 0.80 (H07BQ-F)
1.5	28 x 0.243	≤ 13.3	3.05 ± 0.1	≥ 0.80
2.5	48 x 0.243	≤ 7.98	3.8 ± 0.1	≥ 0.90
4	52 x 0.300	≤ 4.95	4.5 ± 0.1	≥ 1.0
6	80 x 0.300	≤ 3.30	5.25 ± 0.1	≥ 1.0
10	136 x 0.300	≤ 1.91	6.6 ± 0.1	≥ 1.2
16	210 x 0.300	≤ 1.21	7.6 ± 0.1	≥ 1.2

H05BQ-F	Size conductor [mm ²]	Outer diameter [mm]	Thickness of jacket [mm]
	2 x 0.75	6.2 ± 0.2	≥ 0.8
	3 x 0.75	6.7 ± 0.2	≥ 0.9
	4 x 0.75	7.3 ± 0.2	≥ 0.9
	5 x 0.75	8.3 ± 0.2	≥ 1.0
	2 x 1	6.7 ± 0.2	≥ 0.9
	3 x 1	7.1 ± 0.2	≥ 0.9
	4 x 1	7.8 ± 0.2	≥ 0.9
	5 x 1	8.55 ± 0.2	≥ 1.0

Power cables H05BQ-F and H07BQ-F



1. Electrolytic bare copper flexible conductor
2. Type EI6 halogen-free cross-linked insulation
3. Thermoplastic halogen-free PUR jacket (TMPU)

	Size conductor [mm ²]	Outer diameter [mm]	Thickness of jacket [mm]
H07BQ-F	2 x 1	7.6 ± 0.2	≥ 0.9
	3 x 1	8.1 ± 0.2	≥ 0.9
	4 x 1	9.0 ± 0.2	≥ 1.0
	5 x 1	10.1 ± 0.3	≥ 1.1
	2 x 1.5	8.1 ± 0.2	≥ 1.0
	3 x 1.5	8.6 ± 0.2	≥ 1.0
	4 x 1.5	9.6 ± 0.2	≥ 1.1
	5 x 1.5	10.5 ± 0.3	≥ 1.1
	2 x 2.5	9.8 ± 0.2	≥ 1.1
	3 x 2.5	10.4 ± 0.3	≥ 1.1
	4 x 2.5	11.6 ± 0.3	≥ 1.2
	5 x 2.5	12.9 ± 0.3	≥ 1.3

	Size conductor [mm ²]	Outer diameter [mm]	Thickness of jacket [mm]
H07BQ-F	2 x 4	11.4 ± 0.3	≥ 1.2
	3 x 4	12.2 ± 0.3	≥ 1.2
	4 x 4	13.5 ± 0.3	≥ 1.3
	5 x 4	15.0 ± 0.3	≥ 1.4
	2 x 6	13.1 ± 0.3	≥ 1.3
	3 x 6	14.2 ± 0.3	≥ 1.4
	4 x 6	15.7 ± 0.3	≥ 1.5
	5 x 6	17.4 ± 0.3	≥ 1.6
	2 x 10	17.4 ± 0.3	≥ 2.0
	3 x 10	18.7 ± 0.3	≥ 2.1
	4 x 10	20.5 ± 0.3	≥ 2.2
	5 x 10	22.6 ± 0.3	≥ 2.3
	2 x 16	19.6 ± 0.3	≥ 2.1
	3 x 16	21.3 ± 0.3	≥ 2.3
	4 x 16	23.0 ± 0.3	≥ 2.3
	5 x 16	25.8 ± 0.3	≥ 2.5

Standard reference

EN 50525-2-21, Low Voltage European Directive No. 2014/35/EU.

Stranding of conductor

IMQ-HAR approvals Nos. CA01.00615 (H05BQ-F), CA01.00616 (H07BQ-F)

Insulation

Class 5 electrolytic bare copper flexible conductor conforming to IEC 60228 standard

Color of insulation

EI6 type halogen-free cross-linked elastomeric compound complies with EN 50363-1

Outer sheath

In compliance with requirements of HD 308 standard

Color of sheath

TMPU type thermoplastic halogen-free polyurethane compound, complies with EN 50363-10-2 standard.

Ink-jet marking

Orange (similar to RAL 2003)

SALCAVI SPA - ITALY IEMMEQU-HAR H05BQ-F/H07BQ-F No. OF CONDUCTORS X SIZE - YEAR