

H05BZ5-F / H07BZ5-F EV Connection Cable



Eland Product Group: B6Q

APPLICATION

Robust flexible multicore PUR sheathed cable compatible with European standard electric vehicle AC charging modes 1 (single phase - domestic), 2 and 3 (single/three phase - commercial/public) installations. Suitable for trailing EV plug connections to vehicle.

CHARACTERISTICS

Voltage Rating U/U₀
H05BZ5-F 300/500V
H07BZ5-F - 450/750V

Temperature Rating

Operating: -40°C to +90°C
Minimum installation and use temperature: -40°C
Maximum temperature of short circuit: +250°C

Minimum Bending Radius

6 x overall diameter

CONSTRUCTION

Conductor

Class 5 flexible stranded Copper

Insulation

Rubber Compound type EV1-2

Control/Pilot Cores

Class 5 Flexible Copper with Rubber insulation

Sheath

PUR-HF (Polyurethane, Halogen-Free)

Sheath Colour

● Black ● Orange

STANDARDS

EN 50620, IEC 62893, EN/IEC 60228, IEC 60811-404, IEC 60332-1-2, IEC 60811-100, EN 62230, IEC 61851-1

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



8578



FS 672069



EMS 672067



OHS 672066

REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



KM 634267





DIMENSIONS - H05BZ5-F

ELAND PART NUMBER	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CC/CP SIGNALING	MAX CURRENT AT 30°C (A)		OVERALL DIAMETER mm		CHARGING MODE
				SINGLE PHASE	THREE PHASE	Minimum	Maximum	
B6Q1030015**	3	1.5	nx0.5mm/nx1.0mm	14	-	7.9	10.1	1
B6Q1030025**	3	2.5	nx0.5mm/nx1.0mm	25	-	9.1	11.5	1

DIMENSIONS - H07BZ5-F

ELAND PART NUMBER	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CC/CP SIGNALING	MAX CURRENT AT 30°C (A)		OVERALL DIAMETER mm		CHARGING MODE
				SINGLE PHASE	THREE PHASE	Minimum	Maximum	
B6Q2030015**	3	1.5	nx0.5mm/nx1.0mm	14	-	8.2	10.5	2/3
B6Q2030025**	3	2.5	nx0.5mm/nx1.0mm	25	20	9.3	11.9	2/3
B6Q2030040**	3	4	nx0.5mm/nx1.0mm	35	30	10.8	13.8	2/3
B6Q2030060**	3	6	nx0.5mm/nx1.0mm	44	38	12.3	15.7	2/3
B6Q203010**	3	10	nx0.5mm/nx1.0mm	62	54	14.8	19.0	2/3
B6Q203016**	3	16	nx0.5mm/nx1.0mm	82	71	17.6	22.6	2/3
B6Q203025**	3	25	nx0.5mm/nx1.0mm	109	94	21.9	28.0	2/3
B6Q203035**	3	35	nx0.5mm/nx1.0mm	135	117	25.7	32.9	2/3
B6Q2040025**	4	2.5	nx0.5mm/nx1.0mm	25	20	10.2	13.1	2/3
B6Q2040040**	4	4	nx0.5mm/nx1.0mm	35	30	11.9	15.2	2/3
B6Q2040060**	4	6	nx0.5mm/nx1.0mm	44	38	13.5	17.3	2/3
B6Q204010**	4	10	nx0.5mm/nx1.0mm	62	54	16.4	20.9	2/3
B6Q204016**	4	16	nx0.5mm/nx1.0mm	82	71	19.7	25.2	2/3
B6Q204025**	4	25	nx0.5mm/nx1.0mm	109	94	24.6	31.5	2/3
B6Q204035**	4	35	nx0.5mm/nx1.0mm	135	117	28.9	37.0	2/3
B6Q2050025**	5	2.5	nx0.5mm/nx1.0mm	25	30	11.7	15.0	2/3
B6Q2050040**	5	4	nx0.5mm/nx1.0mm	35	30	13.2	17.3	2/3
B6Q2050060**	5	6	nx0.5mm/nx1.0mm	44	38	15.4	19.7	2/3
B6Q205010**	5	10	nx0.5mm/nx1.0mm	62	54	18.3	23.4	2/3
B6Q205016**	5	16	nx0.5mm/nx1.0mm	82	71	22.0	28.1	2/3
B6Q205025**	5	25	nx0.5mm/nx1.0mm	109	94	27.5	35.2	2/3
B6Q205035**	5	35	nx0.5mm/nx1.0mm	135	117	32.4	41.5	2/3

** denotes sheath colour. For Orange add OR and Black add BK eg: B6Q205010 is 5 core 10mm² cable in black.