

H05Z-U Cable



Eland Product Group: B1Z

APPLICATION

Single core rubber insulated H05Z cable with solid copper conductor for internal installations in dry, clean environments requiring a rated voltage of 300/500V.

CHARACTERISTICS

Voltage Rating

H05Z-U: 300/500V

Temperature Rating

Maximum conductor operating temperature: 90°C
 Maximum conductor short-circuit temperature: 250°C
 Minimum installation temperature: 5°C

CONSTRUCTION

Conductor

Class 1 solid Copper

Insulation

LSZH (Low Smoke Zero Halogen)

Insulation Colour

● Red ● Black ● Blue ● Orange ○ White ● Yellow
 ● Green/Yellow ● Grey ● Brown ● Violet ● Pink

DIMENSIONS

ELAND PART NO.	NOMINAL CROSS SECTIONAL AREA mm ²	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL CABLE WEIGHT kg/km
B1Z**00005	0.5	1.9	2.4	7.1
B1Z**00075	0.75	2.1	2.6	9.7
B1Z**0010	1	2.2	2.8	12.1

* Designates the sheath colour. For each Eland Cables part number replace with the colour code as listed below: e.g. B1ZRD0010 = 1.0mm² Red

COLOUR CODES

COLOUR	Black	Blue	Grey	Green/Yellow	Orange	Red	Pink	Yellow	Violet	Brown	White
CODE	BK	BL	GR	GY	OR	RD	PK	YW	VI	BR	WH

STANDARDS

EN 50525-1, 50525-3-41, IEC/EN 60228, IEC 60245-2, DIN VDE 0282-1/9/300, DIN VDE 0295, VDE 0298-4, EN 50395, EN 50396, HD 22.1/9, HD 308, HD 383, HD 516

Flame Retardant to IEC/EN 60332-1-2

Low Smoke Zero Halogen to IEC/EN 60754-1/2 and IEC/EN 61034-1/2

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.



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



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™.

