

E619*B IRISH SURFACE WIRING, TWIN AND EARTH - LSZH CABLE



APPLICATION

Domestic wiring cable. Meets new Republic of Ireland standards and Amendment No. 2.2 to the National Rules for electrical installations ET 101. This cable has an insulated protective conductor the same size as the core cables. Used for fixed installations in dry or damp premises clipped direct to surface, on trays or in free air. Where mechanical protection is required, it can be laid in conduit or trunking.

CABLE STANDARDS

BS EN 60338

IS 201-4:2013

IE-N05Z1ZH4-R

BASEC Approved

Meets Amendment No. 2.2 to the National Rules for electrical installations ET 101 (5th Sept 2017)

CONSTRUCTION

Conductor:

up to 4mm²: Class 1 Solid Annealed Compacted Circular Copper Conductor

from 4mm²: Class 2 Stranded Plain Annealed Compacted Circular Copper Conductor

Insulation: Cross linked Polyethylene (XLPE)

Sheath: Low Smoke Zero Halogen (LSZH)

Sheath Colour: White

CHARACTERISTICS

Voltage Rating: 300/500 Volts

Temperature Rating: -5°C to +90°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

2 Core: Brown Green/Yellow

3 Core: Brown Blue Green/Yellow

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Insulated earth same size as conductors

Should not be installed at temperatures below 0°C or above +60°C

E619*B SURFACE WIRING, TWIN AND EARTH - LSZH CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO OF CORES	CPC SIZE (MM ²)	WEIGHT (MM)	OVERALL DIAMETER (MM)
E6192B1/5WH	1.5	1/1.38	2	1.5	65	4.60 X 7.30
E6193B1/5BRBR	1.5	1/1.38	3	1.5	105	4.75 X 10.08
E6193B1/5WH	1.5	1/1.38	3	1.5	105	4.75 X 10.08
E6193B2/5WH	2.5	1/1.78	3	2.5	145	5.30 X 12.00
E6193B4WH	4	7/0.85	3	4	240	5.80 X 13.70
E6193B6WH	6	7/1.04	3	6	290	6.90 X 15.70
E6193B10WH	10	7/1.35	3	10	520	8.30 X 20.00
E6193B16WH	16	7/1.70	3	16	665	9.40 X 23.00

E619*B TWIN AND EARTH – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA MM ²	REFERENCE METHOD A (IN CONDUIT IN WALL)	REFERENCE METHOD C (CLIPPED DIRECT)	VOLTAGE DROP Mv/A/m
1.5	14.5	20	29
2.5	20	27	18
4	26	37	11
6	32	47	7.3
10	44	64	4.4
16	57	85	2.8

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

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