

318-B LSZH / H05Z1Z1-F EN 50525-3-11 Flexible Cable

Cable Flexible

CJDL Cable



➤ APPLICATION

Used as an indoor general wiring cable primarily for installations in public areas. Examples include use on pendant lighting drops or as a general supply lead within hospital or airport projects. For installation where fire, smoke emission and toxic fumes create a potential risk to life and equipment.

➤ STANDARDS

EN 50525-3-11 (HD21.14), EN 60228
Flame Retardant according to IEC/EN 60332-1-2

➤ CHARACTERISTICS

Voltage Rating (U₀/U)

300/500 V

Temperature Rating

+5° C to +70° C

Minimum Bending Radius

5 x overall diameter

➤ CABLE LABORATORY

We have state-of-the-art laboratory facilities and cutting-edge testing equipment, supported by a strict quality control protocol throughout the entire production process. Every production batch undergoes comprehensive technical tests prior to shipment. Only products that meet the most stringent quality standards are approved for distribution. This ensures our products deliver outstanding stability, reliability and durability, fully complying with customers' technical specifications and requirements.

➤ CONSTRUCTION

Conductor

Class 5 flexible copper conductor

Insulation

LSZH (Low Smoke Zero Halogen) Type T16

Sheath

LSZH (Low Smoke Zero Halogen) Type TM7

➤ DEDICATION TO SUSTAINABILITY

At CJDL Cable, we are fully committed to ecological transition and environmental protection. We actively push forward decarbonization goals, steadily moving toward a zero-emission business model.

To this end, we keep pursuing technological innovation to improve energy efficiency and cut pollutant emissions. Meanwhile, we optimize manufacturing processes to reduce environmental impact, securing sound, responsible and sustainable long-term growth for the company.

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
2	0.75	0.6	6.3	57
2	1	0.6	6.6	65
2	1.5	0.7	7.4	84
2	2.5	0.8	9	130
2	4	0.8	10.4	180
3	0.75	0.6	6.7	68
3	1	0.6	7	78
3	1.5	0.7	8	107
3	2.5	0.8	9.9	163
3	4	0.8	11.1	212
4	0.75	0.6	7.3	83
4	1	0.6	7.9	100
4	1.5	0.7	9	134
4	2.5	0.8	10.8	201
4	4	0.8	12.2	290
5	0.75	0.6	8.1	103
5	1	0.6	8.3	130
5	1.5	0.7	10.4	170
5	2.5	0.8	12.1	255
5	4	0.8	15	360

COLOUR CODES

COLOUR CODE	White WH	Black BK

CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20° C ohms/km
		Plain Wires
0.75	0.21	26
1	0.21	19.5
1.5	0.26	13.3
2.5	0.26	7.98
4	0.31	4.95

ELECTRICAL CHARACTERISTICS

Current Carrying Capacity and Mass Supportable

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY Amps		MAXIMUM MASS SUPPORTABLE BY TWIN FLEXIBLE CORD (See regulations 522.7.2 and 559.6.1.5 of the 17th Edition of IEE Wiring Regulations) kg
	Single-Phase AC	Three-Phase AC	
0.75	6	6	3
1	10	10	5
1.5	16	16	5
2.5	25	20	5
4	32	25	5

The above table is in accordance with EN 60228

VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA mm ²	DC OR SINGLE-PHASE AC mV/A/m	THREE-PHASE AC mV/A/m
0.75	62	54
1	46	40
1.5	32	27
2.5	19	16
4	12	10

Conductor operating temperature: 60°C*

* The tabulated values above are for 60°C thermoplastic or thermosetting insulated flexible cords and for other types of flexible cords they are to be multiplied by the following factors:

90°C thermoplastic or thermosetting insulation : 1.09

The above table is in accordance with Table 4F3B of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.

DE-RATING FACTORS

60°C Thermoplastic or Thermosetting Insulated Cords

AMBIENT TEMPERATURE	35°C	40°C	45°C	50°C	55°C
DE-RATING FACTOR	0.91	0.82	0.71	0.58	0.41

The above table is in accordance with Table 4F3A of the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52.

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.