

ZHLB

4B Series LSZH FireFighter[®] Control Cable IEC60332-3-24 B2ca 300/500V Black



Event[®] install



Application

A range of flexible LSZH insulated and sheathed control cables manufactured to VDE specifications. Suitable for multiple applications including Speaker, Lighting, Stage, HVAC & Public Address control, instrumentation, and electronic applications.

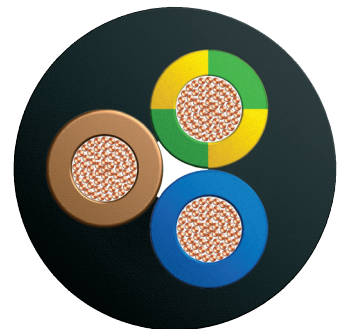
This LSZH range is ideally suited for applications in close confinement areas where public health and safety are paramount, where it's critical to protect people and equipment from toxic and corrosive gases in the event of a fire. Extended testing to B2ca helping to prevent loss of life in the event of fire.

Cable Design

Conductor Stranded bare copper wire, Class 5
Insulation LSZH FireFighter[®]
Assembly Cores stranded in layers with filler if necessary
Outer Jacket..... LSZH FireFighter[®]

Core Identification: (please see specification table)

OZNumber coded without Green/yellow earth conductor
JZ.....Number coded with Green/yellow earth conductor
OBColour coded without Green/yellow earth conductor
JB.....Colour coded with Green/yellow earth conductor



ZHLB

4B Series LSZH FireFighter® Control Cable IEC60332-3-24 B2ca 300/500V Black

Fire Behaviour

Flame Retardant Test	IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2
Flame Propagation Test	IEC 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, EN 60332-3-24
Smoke Density Test	IEC 61034-2, VDE 0482-1034-2, EN 61034-2
Corrosive Gas Test	IEC 60754-2, VDE 0482-754-1-2, EN 60754-2
Halogen Free Test	IEC 60754-1, VDE 0482-754-2, EN 60754-2
Euroclass	B2ca s1, d1, a1

Electrical Characteristics

Conductor Resistance - 0.75 mm ²	< 26,0	Ω/km
Conductor Resistance - 1.0 mm ²	< 19,5	Ω/km
Conductor Resistance - 1.5 mm ²	< 13,3	Ω/km
Conductor Resistance - 2.5 mm ²	< 7,98	Ω/km
Conductor Resistance - 4.0 mm ²	< 4,95	Ω/km
Insulation Resistance	200	MΩ x km
Max. Working Voltage	300/500	V
Test Voltage	> 2	kV

Mechanical & Thermal Characteristics

Temperature Range - static	-30°C up to +70°C
Temperature Range - Operation	-5°C up to +70°C
Min. Bending Radius - flexing	7,5 x Ø
Min. Bending Radius - fixed	4 x Ø

ZHLB

4B Series LSZH FireFighter® Control Cable IEC60332-3-24 B2ca 300/500V Black

Specification

No. of Cores and Size [mm²]	Core Identification	Overall Diameter [mm] ± 10%	Weight [kg/km]	Part Number
2 x 0,75	OB or OZ	5,3	46	ZHLB2075
2 x 1,0	OB or OZ	5,6	60	ZHLB210
2 x 1,5	OB or OZ	6,4	70	ZHLB215
2 x 2,5	OB or OZ	7,8	112	ZHLB225
2 x 4,0	OB or OZ	9,2	150	ZHLB240
3 x 0,75	JB	5,6	54	ZHLB375
3 x 1,0	JB	6,1	72	ZHLB310
3 x 1,5	JB or JZ	6,8	90	ZHLB315
3 x 2,5	JB or JZ	8,3	148	ZHLB325
3 x 4,0	JB or JZ	10,0	210	ZHLB340
4 x 1,5	JZ	7,6	109	ZHLB415
4 x 2,5	JZ	9,2	178	ZHLB425
4 x 4,0	JZ	10,8	248	ZHLB440
5 x 1,5	JZ	8,3	131	ZHLB515
5 x 2,5	JZ	10,1	221	ZHLB525
7 x 1,5	JZ	9,2	184	ZHLB715
7 x 2,5	JZ	11,2	306	ZHLB725
12 x 1,5	JZ	12,2	272	ZHLB1215
12 x 2,5	JZ	15,1	480	ZHLB1225
18 x 1,5	JZ	14,8	386	ZHLB1815
18 x 2,5	JZ	18,0	683	ZHLB1825
25 x 1,5	JZ	17,8	620	ZHLB2515
25 x 2,5	JZ	21,5	1024	ZHLB2525