



**LEDBURN CABLES IS  
AN INDEPENDENTLY  
OWNED CABLE  
DISTRIBUTOR.**

## **FLEX-JB/OB 450/750V**

*Flexible control cable, colour coded*



### **Application:**

Used as connecting cable, as measuring, power and control cable in machine tool manufacturing, plant engineering, on assembly lines and production lines to meet stringent safety requirements.

Suitable for fixed installation or flexible applications with unrestricted mobility without forced movement control and without exposure to tensile load. Installation in dry and moist rooms; outdoor installation not permitted.

Good chemical resistance, largely oil resistant.

# Construction

- fine strands of bare copper conductor
- stranding acc. to VDE 0295 class 5
- PVC core insulation, coloured cores acc. to JB/OB colour code
- earth conductor green/yellow in outer layer
- PVC outer sheath grey, RAL 7001

# Technical Information

<b>Conductor Material</b>	Copper, bare
<b>Conductor class</b>	Class 5, DIN VDE 0295 respectively IEC 60228
<b>core insulation</b>	PVC
<b>core identification</b>	Up to 5 cores according to DIN VDE 0293-308 coloured cores, from 6 cores Kabeltec-colour code
<b>stranding</b>	Cores stranded in layers
<b>outer sheath</b>	PVC
<b>sheath colour</b>	Grey, RAL 7001
<b>rated voltage [V]</b>	450/750
<b>testing voltage [V]</b>	4000
<b>conductor resistance</b>	
<b>insulation resistance</b>	20 MΩ x km
<b>current carrying capacity</b>	acc. to DIN VDE
<b>min. bending radius fixed [xd]</b>	4 x d
<b>min. bending radius moved [xd]</b>	15 x d
<b>working temp fixed min/max [C]</b>	-40°C up to +80°C
<b>working temp moved min/mac [C]</b>	-5°C up to +70°C
<b>temp at conductor max.</b>	+ 70°C in operation, +150°C in case of short-circuit
<b>burning behaviour</b>	IEC 60332-1-2: flame-retardant and self-extinguishing
<b>Approvals</b>	IEC 60227-5 und EN 50525-2-51

# Cable

Part No.	no. of cores x cross section mm <sup>2</sup>	outer $\varnothing$ ca. mm	copper weight kg/100m	weight kg/100m
11020025P	2 x 2.5 OB	8.9	4.80	12.80
11020400P	2 x 4 OB	10.4	7.68	18.70
11030250P	3 x 2.5	9.6	7.20	16.20
98030250P	3 x 2.5 OB	9.6	7.20	16.20
11030400P	3 x 4	11.2	11.52	24.40
11030600P	3 x 6	12.6	17.30	31.80
11031000P	3 x 10	15.9	28.80	51.60
11031600P	3 x 16	18.3	46.10	72.80
11032500P	3 x 25	23.0	72.00	138.80

11033500P	3 x 35	25.6	100.80	176.60
11035000P	3 x 50	31.0	144.00	255.60
11037000P	3 x 70	35.3	201.60	318.20
11039500P	3 x 95	41.3	273.60	467.50
110312000P	3 x 120	47.6	345.60	562.60
11040250P	4 x 2.5	10.7	9.60	20.30
11040400P	4 x 4	12.5	15.40	29.70
110040600P	4 x 6	13.8	23.00	39.40
11041000P	4 x 10	17.6	38.40	65.00
11041600P	4 x 16	20.4	61.40	108.70
11042500P	4 x 25	25.4	96.00	158.20
11043500P	4 x 35	28.5	134.40	210.60
11045000P	4 x 50	34.5	192.00	294.30
11047000P	4 x 70	39.4	268.80	409.20
11049500P	4 x 95	45.8	364.80	529.00
110412000P	4 x 120	53.1	460.80	699.40
110415000P	4 x 150	57.4	576.00	750.00
110418500P	4 x 185	62.8	710.40	830.00
11050250P	5 x 2.5	11.8	12.00	24.20
11050400P	5 x 4	13.7	19.20	35.50
11050600P	5 x 6	15.6	28.80	48.90
11051000P	5 x 10	19.7	48.00	79.20
1101600P	5 x 16	22.8	76.80	111.80
11052500P	5 x 25	28.5	120.00	177.10
11053500P	5 x 35	31.9	168.00	263.50
11055000P	5 x 50	38.6	240.00	393.60
11057000P	5 x 70	44.1	336.00	480.00
11059500P	5 x 95	51.6	456.00	560.00
11070250P	7 x 2.5	13.1	16.80	32.10
11070400P	7 x 4	12.6	17.30	31.80
11070600P	7 x 6	17.3	40.30	65.10
11071000P	7 x 10	21.7	67.20	105.80
11080250P	8 x 2.5	15.8	19.20	38.50