



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

FLES-SY-JB/OB

Flexible, colour coded with steel wire braid



Application:

Power control cable with galvanized steel wire braiding. Suitable for fixed installation or flexible applications.

Used as measuring, power and control cable in machine tool manufacturing, plant engineering and on assembly lines and production lines.

For unrestricted mobility without forced movement control and without exposure to tensile load. Used as energy or connecting cable in dry and moist rooms to meet stringent safety requirements outdoor installation is not permitted.

Due to the galvanized steel wire braiding, these cables can even be used under adverse operating conditions or when exposed to high mechanical strain.

Construction

- fine strands of bare copper wire
- stranding, fine wires acc. to VDE 0295 class 5
- PVC insulation, coloured cores acc. to JB/OB
- earth conductor green/yellow
- PVC inner sheath
- overall screen made of galvanized steel wire
- PVC outer sheath transparent

Technical Information

Conductor Material	Copper, bare
Conductor class	Class 5 acc. to DIN VDE 0295 or IEC 60228
core insulation	PVC
core identification	Up to 5 cores acc. to DIN VDE 0293-308 From 6 cores Kabeltec colour code
stranding	Cores twisted in layers
outer sheath	PVC
sheath colour	Transparent
rated voltage [V]	300 / 500
testing voltage [V]	4000
conductor resistance	
insulation resistance	20 MΩ x km
current carrying capacity	DIN VDE (see technical guidelines)
min. bending radius fixed [xd]	6xd
min. bending radius moved [xd]	15xd
working temp fixed min/max [C]	-40°C up to +80°C
working temp moved min/mac [C]	-5°C up to +70°C
temp at conductor max.	+70°C in operation +150°C in case of short-circuit
burning behaviour	IEC 60332-1: flame-retardant and self-extinguishing
Approvals	IEC 60227-5 and EN 50525-2-11

Cable

Part No.	no. of cores x cross section mm ²	outer Ø ca. mm	copper weight kg/100m	weight kg/100m
120020050	2 x 0.50	7.00	1.00	8.00
120020075	2 x 0.75	8.20	1.50	9.80
120020100	2 x 1	8.40	1.92	11.20
120020150	2 x 1.50	9.10	2.90	14.60
120020250	2 x 2.50	10.80	4.80	18.50
120020400	2 x 4 OB	12.50	7.70	33.00
120030050	3 x 0.50	7.50	1.50	9.20
120030075	3 x 0.75	8.50	2.20	11.00
120030100	3 x 1	8.80	2.90	13.20

120030150	3 x 1.50	9.80	4.30	15.70
120030250	3 x 2.50	12.50	7.20	21.30
120030400	3 x 4	12.90	11.50	36.30
120030600	3 x 6	15.50	17.30	45.00
120040050	4 x 0.50	7.90	1.92	10.20
120040075	4 x 0.75	9.20	2.90	12.50
120040100	4 x 1	9.50	3.84	14.30
120040150	4 x 1.50	10.80	5.80	18.50
120040250	4 x 2.50	13.40	9.60	25.30
120040400	4 x 4	14.00	15.40	42.80
120040600	4 x 6	18.00	23.00	49.50
120041000	4 x 10	20.00	38.40	115.30
120041600	4 x 16	22.90	61.40	136.00
120042500	4 x 25	28.90	96.00	202.00
120043500	4 x 35	37.00	134.40	257.00
120045000	4 x 38	43.90	192.00	351.30
120045000	4 x 50	38.20	192.00	351.30
120047000	4 x 70	43.70	268.80	481.00
120049500	4 x 95	50.40	364.80	636.00
120050050	5 x 0.50	9.20	2.40	11.90
120050075	5 x 0.75	9.70	3.60	14.40
120050100	5 x 1	10.10	4.80	16.60
120050150	5 x 1.50	11.20	7.20	20.50
120050250	5 x 2.50	14.50	12.00	30.10
120050400	5 x 4	15.50	19.20	50.40
120050600	5 x 6	19.20	28.80	59.20
120051000	5 x 10	21.90	48.00	135.20
120051600	5 x 16	25.50	76.80	174.00
120052500	5 x 25	31.80	120.00	246.50
120053500	5 x 35	36.00	168.00	318.50
120055000	5 x 50	43.20	240.00	424.80
120057000	5 x 70	51.80	336.00	588.00
120059500	5 x 95	56.30	456.00	807.10
120060075	6 x 0.75	10.80	4.32	18.00
120060100	6 x 1	11.80	5.80	22.00
120060150	6 x 1.50	12.50	8.70	25.50
120070050	7 x 0.50	10.00	3.40	14.70
120070075	7 x 0.75	10.30	5.00	17.10
120070100	7 x 1	11.00	6.70	20.10
120070150	7 x 1.50	13.20	10.10	28.50
120070250	7 x 2.50	15.50	16.80	42.00
120070400	7 x 4	16.60	26.90	64.00
120070600	7 x 6	19.20	40.30	84.50
120071000	7 x 10	24.20	67.20	155.10
120071600	7 x 16	28.00	107.50	216.60
120080100	8 x 1	13.60	7.70	27.70
120080150	8 x 1.50	14.60	11.50	34.00
120090075	9 x 0.75	12.30	6.50	24.90
120100050	10 x 0.50	11.60	4.80	20.50
120100075	10 x 0.75	12.60	7.20	25.20
120100100	10 x 1	14.00	9.60	31.50
120120050	12 x 0.50	11.90	5.80	21.30
120120075	12 x 0.75	12.90	8.60	26.00
120120100	12 x 1	13.90	11.50	32.20
120120150	12 x 1.50	16.50	17.30	44.40

120120250	12 x 2.50	18.20	28.80	65.00
120140050	14 x 0.50	12.00	6.70	24.20
120140150	14 x 1.50	17.60	20.20	53.30
120150075	15 x 0.75	14.60	10.80	33.50
120160050	16 x 0.50	12.80	7.70	30.60
120180075	18 x 0.75	15.60	13.00	38.80
120180100	18 x 1	17.80	17.30	50.00
120180150	18 x 1.50	19.80	25.90	59.30
120200100	20 x 1	18.30	19.20	53.20
120210050	21 x 0.50	15.20	10.10	34.00
120210075	21 x 0.75	17.30	15.10	47.40
120240050	24 x 0.50	15.60	11.50	40.50
120250075	25 x 0.75	18.00	18.00	50.30
120250100	25 x 1	20.80	24.00	66.40
120250150	25 x 1.50	22.30	36.00	78.10
120270050	27 x 0.50	17.10	13.00	46.70
120320075	32 x 0.75	19.60	23.00	64.40
120320150	32 x 1.50	25.10	46.10	101.50
120400050	40 x 0.50	19.00	19.20	56.50
120610075	61 x 0.75	25.40	43.90	108.20