



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

## **CY-JZ GREY**

*Number coded, copper screened, with inner bedding.*



### **Application:**

Used as connecting cable, as measuring, checking 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.

These cables with copper screening are ideally suitable for interference-free data and signal transmission.

# Construction

- fine strands of bare copper wire
- stranding acc. to VDE 0295 class 5
- PVC core insulation black with continuous white figure imprint
- earth conductor green/yellow
- PVC inner sheath
- overall screen made of tinned copper wire braid coverage approx. 70%
- PVC outer sheath grey

# Technical Information

<b>Conductor Material</b>	Copper, bare
<b>Conductor class</b>	Class 5, resp IEC 60228 cl 5
<b>core insulation</b>	PVC
<b>core identification</b>	Black cores with white numbers
<b>stranding</b>	
<b>outer sheath</b>	PVC
<b>sheath colour</b>	Grey (RAL 7001)
<b>rated voltage [V]</b>	300 / 500
<b>testing voltage [V]</b>	2000
<b>conductor resistance</b>	
<b>insulation resistance</b>	min. 20 MΩ x km
<b>current carrying capacity</b>	
<b>min. bending radius fixed [xd]</b>	6xd
<b>min. bending radius moved [xd]</b>	20xd
<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>	80°C
<b>burning behaviour</b>	IEC 60332-1: flame-retardant and self-extinguishing
<b>Approvals</b>	

# Cable

Part No.	no. of cores x cross section mm <sup>2</sup>	outer Ø ca. mm	copper weight kg/100m	weight kg/100m
211020100	2 x 1 OZ	8.20	5.50	11.00
211020075	2 x 0.75 OZ	7.50	4.30	9.20
211020050	2 x 0.50 OZ	6.80	3.70	7.40
211020150	2 x 1.50 OZ	9.30	6.60	14.00
211020250	2 x 2.5	10.40	19.20	11.20
211030100	3 x 1	8.50	6.53	15.60
211030075	3 x 0.75	8.20	5.79	14.50
211030050	3 x 0.50	7.40	4.55	9.50

211030150	3 x 1.50	9.60	8.30	20.00
211030250	3 x 2.50	11.50	14.60	21.40
211040100	4 x 1	9.50	7.81	17.80
211040075	4 x 0.75	8.80	6.40	16.30
211040050	4 x 0.50	7.90	5.50	11.60
211040150	4 x 1.50	10.30	10.00	24.70
211040250	4 x 2.50	12.30	16.30	29.80
211040400	4 x 4	15.80	29.40	41.50
211040600	4 x 6	18.00	36.10	56.80
211041000	4 x 10	22.20	54.00	94.20
211041600	4 x 16	25.50	91.00	123.00
211042500	4 x 25	26.40	131.10	169.90
211050100	5 x 1	10.20	8.94	17.20
211050075	5 x 0.75	9.00	7.74	13.30
211050050	5 x 0.50	8.50	6.60	11.80
211050150	5 x 1.50	10.60	12.50	21.10
211050250	5 x 2.50	14.20	20.00	34.20
211050400	5 x 4	17.00	32.80	48.00
211050600	5 x 6	20.30	44.10	68.60
211051000	5 x 10	25.30	71.40	111.00
211051600	5 x 16	28.60	105.00	148.50
211052500	5 x 25	36.20	148.60	212.40
211070100	7 x 1	11.60	12.60	25.50
211070075	7 x 0.75	10.50	10.20	23.30
211070050	7 x 0.50	9.30	8.10	14.00
211070150	7 x 1.50	13.30	16.30	39.30
211070250	7 x 2.50	14.90	28.80	49.80
211070400	7 x 4	18.80	38.80	62.00
211120100	12 x 1	14.50	18.81	36.70
211120075	12 x 0.75	13.00	19.90	38.40
211120050	12 x 0.50	11.20	13.80	19.00
211120150	12 x 1.50	16.00	26.60	61.50
211120250	12 x 2.50	19.50	47.73	79.60
211140100	14 x 1	15.30	21.50	40.60
211140050	14 x 0.50	12.00	14.60	21.80
211140150	14 x 1.50	17.20	29.90	48.20
211150075	15 x 0.75	13.60	19.90	33.00
211180100	18 x 1	17.40	28.60	55.20
211180075	18 x 0.75	14.70	24.30	49.20
211180050	18 x 0.50	13.20	15.60	35.30
211180150	18 x 1.50	19.60	37.10	79.30
211180250	18 x 2.50	23.60	59.80	108.00
211210150	21 x 1.50	20.40	41.40	68.70
211250100	25 x 1	20.90	38.85	76.60
211250075	25 x 0.75	17.70	30.70	67.10
211250050	25 x 0.50	16.20	25.00	41.40
211250150	25 x 1.50	22.60	53.50	111.60
211300050	30 x 0.50	17.00	29.70	51.60
211340100	34 x 1	22.30	50.50	97.30
211340075	34 x 0.75	21.10	41.30	82.20
211340150	34 x 1.50	25.90	70.20	137.60
211400050	40 x 0.50	20.20	34.30	61.00
211410100	41 x 1	26.30	57.80	112.30
211410075	41 x 0.75	23.00	48.80	95.00
211410150	41 x 1.50	28.30	84.46	128.50

<b>211500100</b>	50 x 1	28.00	68.80	130.00
<b>211500150</b>	50 x 1.50	30.00	97.70	188.10
<b>211560100</b>	56 x 1	28.60	74.50	124.00
<b>211610100</b>	61 x 1	29.20	78.20	159.60
<b>211610075</b>	61 x 0.75	26.30	58.40	146.00
<b>211610050</b>	61 x 0.50	22.90	43.90	84.00
<b>211610150</b>	61 x 1.50	33.00	121.20	224.60
<b>211800100</b>	80 x 1	32.50	104.00	162.60
<b>211800075</b>	80 x 0.75	29.20	76.00	126.00
<b>211800050</b>	80 x 0.50	26.00	55.10	105.00
<b>211800150</b>	80 x 1.50	36.90	150.80	231.00
<b>2111000100</b>	100 x 1	35.20	136.90	181.20
<b>2111000075</b>	100 x 0.75	33.30	97.20	167.60
<b>2111000050</b>	100 x 0.50	27.60	68.00	132.00
<b>2111000150</b>	100 x 1.50	42.00	188.20	263.00