



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

## PU-JZ

*PUR control cable, number coded*



### **Application:**

Control cable with high abrasion and tear resistant properties. Also resistant to mineral oils, especially to coolant emulsions and UV-radiation.  
Suitable for use in the machine, plant and tool making industry. For installation in moist and wet rooms and outdoors.

# Construction

- bare copper stranded conductor
- stranding acc. to VDE 0295 class 5
- PVC insulated cores
- cores consecutive numbered
- protective conductor: green/yellow
- cores twisted in layers
- PUR outer sheath
- colour of sheath grey, RAL 7001

# Technical Information

<b>Conductor Material</b>	Copper, bare
<b>Conductor class</b>	Class 5 acc. to VDE 0295 or IEC 60228
<b>core insulation</b>	PVC
<b>core identification</b>	Cores consecutive numbered (VDE 0293-1)
<b>stranding</b>	Cores twisted in layers
<b>outer sheath</b>	PUR
<b>sheath colour</b>	Grey (RAL 7001)
<b>rated voltage [V]</b>	300 / 500
<b>testing voltage [V]</b>	4000
<b>conductor resistance</b>	
<b>insulation resistance</b>	> 20 MΩ x km
<b>current carrying capacity</b>	
<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>	
<b>burning behaviour</b>	IEC 60332-1: flame-retardant and self-extinguishing
<b>Approvals</b>	Oil resistance VDE 0472 part 803 VDE 0285

# Cable

Part No.	no. of cores x cross section mm <sup>2</sup>	outer Ø ca. mm	copper weight kg/100m	weight kg/100m
270020050	2 x 0.50	5.00	0.96	3.20
270020075	2 x 0.75	5.90	1.44	4.10
270020100	2 x 1	5.80	1.92	4.80
270030050	3 x 0.50	5.30	1.44	4.30
270030075	3 x 0.75	6.20	2.16	5.10
270030100	3 x 1	7.50	2.88	6.10
270030150	3 x 1.50	7.90	4.30	7.90

270030250	3 x 2.50	10.00	7.20	13.20
270040050	4 x 0.50	5.70	1.92	5.00
270040075	4 x 0.75	7.20	2.88	6.20
270040100	4 x 1	8.10	3.84	7.40
270040150	4 x 1.50	8.80	5.80	9.80
270040250	4 x 2.50	11.10	9.60	16.30
270040400	4 x 4	12.40	15.40	23.70
270040600	4 x 6	14.10	23.00	32.70
270041000	4 x 10	17.80	38.40	56.70
270041600	4 x 16	20.60	61.44	105.20
270042500	4 x 25	29.40	96.00	159.00
270043500	4 x 35	32.80	134.40	220.00
270045000	4 x 50	38.90	192.00	240.00
270047000	4 x 70	44.70	268.80	440.00
270049500	4 x 95	59.60	364.80	600.00
270050050	5 x 0.50	6.50	2.40	5.90
270050075	5 x 0.75	7.80	3.60	7.40
270050100	5 x 1	9.30	4.80	8.90
270050150	5 x 1.50	9.90	7.20	12.10
270050250	5 x 2.50	12.20	12.00	18.60
270050400	5 x 4	13.80	19.20	29.10
270050600	5 x 6	15.80	28.80	42.40
270051000	5 x 10	19.90	48.00	69.50
270051600	5 x 16	23.60	76.80	140.00
2700512000	5 x 120.00	51.5	576.00	8051.00
270070050	7 x 0.50	7.00	3.40	7.30
270070075	7 x 0.75	8.50	5.00	9.70
270070100	7 x 1	10.10	6.70	11.60
270070150	7 x 1.50	10.70	10.10	15.90
270070250	7 x 2.50	13.70	16.80	26.70
270071000	7 x 10	20.2	67.20	129.50
270090075	9 x 0.75	11.10	6.50	17.00
270100050	10 x 0.50	9.00	4.80	10.90
270120050	12 x 0.50	9.50	5.76	12.50
270120075	12 x 0.75	11.20	8.64	16.30
270120100	12 x 1	12.90	11.50	19.70
270120150	12 x 1.50	13.60	17.30	26.80
270120250	12 x 2.50	17.60	28.80	44.50
270180050	18 x 0.50	11.20	8.70	18.00
270180075	18 x 0.75	13.20	12.96	23.40
270180100	18 x 1	15.30	17.30	28.90
270180150	18 x 1.50	16.30	25.95	39.20
270250050	25 x 0.50	13.50	12.00	25.00
270250075	25 x 0.75	16.00	18.00	32.40
270250100	25 x 1	18.40	24.00	41.20
270250150	25 x 1.50	20.00	36.00	53.10
270340050	34 x 0.50	15.20	16.40	33.30
270340075	34 x 0.75	16.80	24.48	43.10
270340100	34 x 1	19.00	32.64	53.20
270340150	34 x 1.50	22.20	48.96	72.20
270410050	41 x 0.50	16.60	19.70	40.00
270410075	41 x 0.75	18.30	29.52	52.90
270410100	41 x 1	20.10	39.36	63.80
270410150	41 x 1.50	24.10	59.00	86.70