

# TECHNICAL DATA SHEET

**PRO-ELEC**

RoHS  
Compliant

## CY MULTICORE CONTROL CABLE

**MODELS:  
PELB0878-PELB0928**

### APPLICATION

Low smoke, zero halogen flexible screened cable for instrumentation and control equipment in tooling machinery, production lines, and flexible applications with free movement without tensile load. Suitable for use in dry, ambient and wet rooms. The screen protects against external interference pulses for interference-free transmission. These cables are not used for outdoor or underground installation.



### STANDARDS

VDE 0812 0814 0245 BS EN 50525-1, BS EN 50525-2-51, BS EN 50525-3-11

### CHARACTERISTICS

**Voltage Rating**  
300V/500V

**Temperature Rating**  
Fixed: -30°C to + 80°C  
Flexed: -5°C to +70°C

**Minimum Bending Radius**  
Fixed: 8x overall diameter  
Flexed: 15x overall diameter

### CONSTRUCTION

**Conductors**  
Class 5 flexible plain copper

**Insulation**  
LSZH (Low Smoke Zero Halogen)

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## Screen

TCWB (Tinned Copper Wire Braid)

## Jacket

LSZH (Low Smoke Zero Halogen)

## Jacket Colour

Grey

## DIMENSIONS

No. of Cores	Nominal CSA	Overall Dia.	Length	Model
2	0.50mm <sup>2</sup>	5.10mm	50m	PELB0878
			100m	PELB0879
	0.75mm <sup>2</sup>	5.50mm	50m	PELB0880
			100m	PELB0881
	1.00mm <sup>2</sup>	6.10mm	50m	PELB0882
			100m	PELB0883
	1.50mm <sup>2</sup>	6.70mm	50m	PELB0884
			100m	PELB0885
3	0.75mm <sup>2</sup>	6.00mm	50m	PELB0886
			100m	PELB0887
	1.00mm <sup>2</sup>	6.40mm	50m	PELB0888
			100m	PELB0889
	1.50mm <sup>2</sup>	7.10mm	50m	PELB0890
			100m	PELB0891
	2.50mm <sup>2</sup>	8.60mm	50m	PELB0892
			100m	PELB0893
4.00mm <sup>2</sup>	10.30mm	50m	PELB0894	
6.00mm <sup>2</sup>	11.80mm	50m	PELB0895	
4	0.50mm <sup>2</sup>	6.00mm	50m	PELB0896
			100m	PELB0897
	0.75mm <sup>2</sup>	6.50mm	50m	PELB0898
			100m	PELB0899
	1.00mm <sup>2</sup>	7.00mm	50m	PELB0900
			100m	PELB0901
	1.50mm <sup>2</sup>	7.70mm	50m	PELB0902
			100m	PELB0903

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No. of Cores	Nominal CSA	Overall Dia.	Length	Model
4	2.50mm <sup>2</sup>	9.40mm	50m	PELB0904
			100m	PELB0905
5	0.50mm <sup>2</sup>	6.50mm	50m	PELB0906
			100m	PELB0907
	0.75mm <sup>2</sup>	7.00mm	50m	PELB0908
			100m	PELB0909
	1.00mm <sup>2</sup>	7.60mm	50m	PELB0910
			100m	PELB0911
	1.50mm <sup>2</sup>	8.60mm	50m	PELB0912
			100m	PELB0913
	2.50mm <sup>2</sup>	10.40mm	50m	PELB0914
			100m	PELB0915
4.00mm <sup>2</sup>	12.70mm	50m	PELB0916	
6.00mm <sup>2</sup>	14.60mm	50m	PELB0917	
7	0.75mm <sup>2</sup>	7.60mm	50m	PELB0918
	1.00mm <sup>2</sup>	8.40mm	50m	PELB0919
	1.50mm <sup>2</sup>	9.30mm	50m	PELB0920
	2.50mm <sup>2</sup>	11.50mm	50m	PELB0921
12	0.50mm <sup>2</sup>	9.20mm	50m	PELB0922
	0.75mm <sup>2</sup>	10.00mm	50m	PELB0923
	1.00mm <sup>2</sup>	11.20mm	50m	PELB0924
	1.50mm <sup>2</sup>	12.70mm	50m	PELB0925
18	0.75mm <sup>2</sup>	12.20mm	50m	PELB0926
	1.00mm <sup>2</sup>	13.20mm	50m	PELB0927
	1.50mm <sup>2</sup>	14.90mm	50m	PELB0928

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