

TECHNICAL DATA SHEET

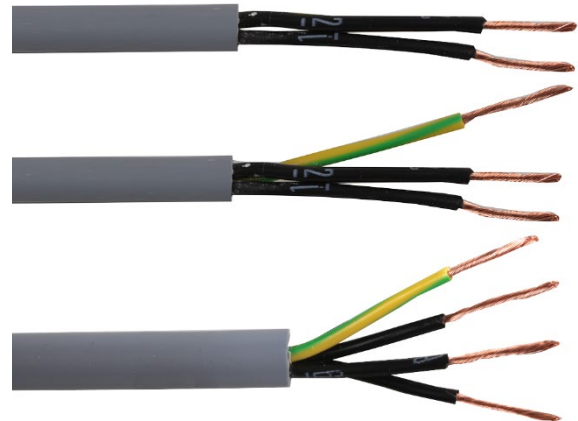
PRO-ELEC

RoHS
Compliant

YY PVC CONTROL CABLE MODELS: PEL01730- (YSLY) PEL01773

Application:

Flexible YY control cable for instrumentation and control equipment, for tooling machinery production lines, and in flexible applications for free movement without tensile load. Suitable in dry, ambient and wet rooms. These indoor cables are not used for external or underground installation.



Characteristics:

Voltage rating U_0/U : 300/500V

Temperature rating: Fixed: -40°C to $+80^{\circ}\text{C}$, flexed: -5°C to $+70^{\circ}\text{C}$

Min. bending radius: Fixed = 4x overall diameter, flexed = 12.5x overall diameter

Construction:

Conductor: Class 5 flexible plain copper

Insulation: PVC (Polyvinyl Chloride)

Jacket: Grey PVC (Polyvinyl Chloride)

Core identification: Black with white number

From 3 cores: Black with white number + green/yellow

Standards:

VDE 0207-363-3, VDE 0482-332-1-2, VDE 819-102 (TM54)

Flame retardant according to IEC/EN 60332-1-2

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Cores	Cross Sectional Area (mm ²)	Insulation Thickness (mm)	Jacket Thickness (mm)	Overall Diameter (mm)	Length (m)	Model
2	0.50	0.40	0.70	4.80	50	PEL01731
					100	PEL01730
	0.75	0.40	0.70	5.20	50	PEL01733
					100	PEL01732
	1.00	0.40	0.70	5.60	50	PEL01735
					100	PEL01734
	1.50	0.40	0.80	6.40	50	PEL01737
					100	PEL01736
	2.50	0.50	0.90	7.60	50	PEL01739
					100	PEL01738
3	0.50	0.40	0.70	5.10	50	PEL01741
					100	PEL01740
	0.75	0.40	0.70	5.50	50	PEL01743
					100	PEL01742
	1.00	0.40	0.80	6.10	50	PEL01745
					100	PEL01744
	1.50	0.40	0.80	6.80	50	PEL01747
					100	PEL01746
	2.50	0.50	0.90	8.30	50	PEL01749
					100	PEL01748
4	0.50	0.40	0.70	5.50	50	PEL01751
					100	PEL01750
	0.75	0.40	0.80	6.20	50	PEL01753
					100	PEL01752
	1.00	0.40	0.80	6.70	50	PEL01755
					100	PEL01754
	1.50	0.40	0.90	7.60	50	PEL01757
					100	PEL01756
	2.50	0.50	1.00	9.30	50	PEL01759
					100	PEL01758
4.00	0.60	1.10	11.20	50	PEL01760	
6.00	0.65	1.20	12.80	50	PEL01761	

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Cores	Cross Sectional Area (mm ²)	Insulation Thickness (mm)	Jacket Thickness (mm)	Overall Diameter (mm)	Length (m)	Model
5	0.75	0.40	0.80	6.70	50	PEL01763
					100	PEL01762
	1.00	0.40	0.90	7.50	50	PEL01765
					100	PEL01764
	1.50	0.40	0.90	8.30	50	PEL01767
					100	PEL01766
	2.50	0.50	1.10	10.30	50	PEL01769
					100	PEL01768
7	0.75	0.40	0.90	7.50	50	PEL01770
	1.00	0.40	0.90	8.10	50	PEL01771
	1.50	0.40	1.00	9.20	50	PEL01772
	2.50	0.50	1.10	11.20	50	PEL01773

Electrical Characteristics:

Cross Sectional Area (mm ²)	Current Capacity @ 30°C, Continuous Loading (A)	Max. Conductor Resistance @ 20°C (Ω/km)
0.50	9	39
0.75	12	26
1.00	15	19.50
1.50	18	13.30
2.50	26	7.98
4.00	34	4.95
6.00	44	3.30

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