



Instrumentation Cable 100VAC PCW PCV/Foil/PVC

CONSTRUCTION	
Conductors	Plain Annealed Copper Wire Class 2
Insulation	PVC V90
Drain Wire	Tinned Annealed Copper Wire (7/0.25)
Screen	Aluminium backed Polyester Tape (coverage 100%)
Sheath	Black PVC V90
Core Colours	Black / White continuous Numbering
Minimum Bending Radius	6 x Diameter for fixed installations, 8 x Diameter for mobile installations

FEATURES	
Meter marked	
100V	
*Note: These cables are not suitable for connection to mains power supplies	
Temperature range -25°C + 90°C . For fixed installation	

APPLICATIONS	
Connections to electrical instrumentation and communication circuits, electrical networks and control equipment	

PACKAGING	
Standard Length Cable Packing	100m 500m as well as cut to length above 2 pair
Standard Cable Markings	Elcon Cables, Part No, Description V90 100V<Meter marked>

Please Note

Please consult with your Electrician / Engineer to ensure this cable is suitable for the intended application and installation.

Elcon Cables takes every precaution to ensure the information in this publication is correct but accepts no liability of any kind and reserves the right to change any detail in this catalogue without notification.

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Code	Nominal Area mm ²	No of Pairs	Stranding	Nearest AWG	Conductor Insulation Thickness mm	Overall Insulation Thickness mm	Nominal OD mm	Max DC Resistance @20°C mΩ/mt
Pairs								
INST1P0.5B	0.5	1	7/0.30	20.0	0.35	1.65	4.7	38.4
INST2P0.5B	0.5	2	7/0.30	20.0	0.35	1.65	6.8	38.40
INST3P0.5B	0.5	3	7/0.30	20.0	0.35	1.65	7.8	38.40
INST4P0.5B	0.5	4	7/0.30	20.0	0.35	1.65	9.0	38.40
INST6P0.5B	0.5	6	7/0.30	20.0	0.35	1.65	11.0	38.40
INST8P0.5B	0.5	8	7/0.30	20.0	0.35	1.65	11.8	38.40
INST10P0.5B	0.5	10	7/0.30	20.0	0.35	1.65	12.8	38.40
INST12P0.5B	0.5	12	7/0.30	20.0	0.35	1.65	13.5	38.40
INST16P0.5B	0.5	16	7/0.30	20.0	0.35	1.65	15.0	38.40
INST20P0.5B	0.5	20	7/0.30	20.0	0.35	1.65	16.5	38.40
INST24P0.5B	0.5	24	7/0.30	20.0	0.35	1.65	18.0	38.40
1.5B								
INST1P1.5B	0.88	1	7/0.40	18.0	0.34	1.85	5.5	21.30
INST2P1.5B	0.88	2	7/0.40	18.0	0.34	1.85	8.0	21.30
0.5B								
INST1P1.5B	1.5	1	7/0.50	16.0	0.32	2.20	6.1	13.60
INST2P1.5B	1.5	2	7/0.50	16.0	0.32	2.20	8.8	13.60
INST3P1.5B	1.5	3	7/0.50	16.0	0.32	2.20	10.5	13.60
INST4P1.5B	1.5	4	7/0.50	16.0	0.32	2.20	10.6	13.60
INST6P1.5B	1.5	6	7/0.50	16.0	0.32	2.20	12.8	13.60
INST8P1.5B	1.5	8	7/0.50	16.0	0.32	2.20	14.5	13.60
INST10P1.5B	1.5	10	7/0.50	16.0	0.32	2.20	16.0	13.60
INST12P1.5B	1.5	12	7/0.50	16.0	0.32	2.20	17.5	13.60
INST16P1.5B	1.5	16	7/0.50	16.0	0.32	2.20	22.0	13.60
INST20P1.5B	1.5	20	7/0.50	16.0	0.32	2.20	24.0	13.60
INST24P1.5B	1.5	24	7/0.50	16.0	0.32	2.20	25.0	13.60
Triples								
INSTIT0.5B	0.5	1	7/0.30	20.0	0.35	1.65	5.5	38.40
INSTIT1.5B	1.5	1	7/0.50	16.0	0.32	2.20	7.2	13.60

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