



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.

NSW

TEL 02 9602 4888 FAX 02 9602 4099
EMAIL salesnsw@elconcables.com.au

WA

TEL 08 9358 1809 FAX 08 9358 2182
EMAIL saleswa@elconcables.com.au

QLD

TEL 07 3805 6455 FAX 07 3805 6433
EMAIL salesqld@elconcables.com.au

VIC

TEL 03 9558 1044 FAX 03 9551 5844
EMAIL salesvic@elconcables.com.au

SA

TEL 08 8326 4833 FAX 08 8326 4855
EMAIL salessa@elconcables.com.au



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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
INST1P1B	0.88	1	7/0.40	18.0	0.34	1.85	5.5	21.30
INST2P1B	0.88	2	7/0.40	18.0	0.34	1.85	8.0	21.30
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								
INSTI0.5B	0.5	1	7/0.30	20.0	0.35	1.65	5.5	38.40
INSTI1.5B	1.5	1	7/0.50	16.0	0.32	2.20	7.2	13.60

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