



### Instrumentation Cable 100VAC PCW PCV/Foil/PVC

CONSTRUCTION	
<b>Conductors</b>	Plain Annealed Copper Wire Class 2
<b>Insulation</b>	PVC V90
<b>Drain Wire</b>	Tinned Annealed Copper Wire (7/0.25)
<b>Screen</b>	Aluminium backed Polyester Tape (coverage 100%)
<b>Sheath</b>	Black PVC V90
<b>Core Colours</b>	Black / White continuous Numbering
<b>Minimum Bending Radius</b>	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	
<b>Standard Length Cable Packing</b>	100m 500m as well as cut to length above 2 pair
<b>Standard Cable Markings</b>	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 <sup>2</sup>	No of Pairs	Stranding	Nearest AWG	Conductor Insulation Thickness mm	Overall Insulation Thickness mm	Nominal OD mm	Max DC Resistance @20°C mΩ/mt
<b>Pairs</b>								
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
<b>1.5B</b>								
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
<b>0.5B</b>								
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
<b>Triples</b>								
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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