

World Wire Cables Cable Solutions

Multi-Triad PVC Insulated Instrumentation Cables 110V, Cu, Overall Screened, Armoured



Note: The above drawing is for representation purpose only.

Description

Conductor: Insulation: **Overall Screen:**

Bedding: Armour: Sheath:

Class 2 Plain Annealed Copper PVC V-90 Aluminium foil/Polyester tape with a 7/0.2mm tinned annealed copper drain wire PVC 5V-90 Galvanised Steel Wire Armour PVC 5V-90

Core identification

Black, White and Red coloured cores with numbered triads

Sheath Colour

Blue

Technical Data

Rated Voltage: Nominal Voltage: **Operating Temperature:**

Short Circuit Temperature :

Standards Compliance

AS/NZS 1125 AS/NZS 3808 UL Style 2464

Characteristics









VC

Max. 300V a.c. ≤ 110V a.c. / 150V d.c.

higher than 75°C.

160°C for 5 sec

-25°C to +75°C, Maximum 90°C*

*Not subject to severe mechanical pressure at temperatures

AS/NZS 1660.5.6 (Equivalent to IEC 60332-1) AS/NZS 1660.5.1 (Equivalent to IEC60332-3-24)

FLAMF RFTARDANT

UV RESISTANT

GREEN STAR

The information in this specification is to be used as a guide only. World Wire Cables (Aust) Pty Ltd has taken all due care in compiling the information in this specification but accepts no responsibility for any errors or omissions. All information provided in this specification is covered by copyright.



World Wire Cables (Aust) Pty Ltd

www.wwcables.com.au

Ph: 1800 008 799

E-mail: sales@wwcables.com.au



Multi-Triad PVC Insulated Instrumentation Cables 110V, Cu, Overall Screened, Armoured

Physical & Electrical Characteristics

WWC Product Code	Conductor Size mm²(AWG)	Number of Triads	Conductor Diameter (mm)	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx.
						During Installation	After Installation	(kg/100m)
5405BLU		1	1.47	0.4	11.8	223	149	28.4
*SM5425BLU		2	1.47	0.4	16.5	312	208	46.7
*SM5435BLU		3	1.47	0.4	17.2	325	217	64.9
*SM5445BLU		4	1.47	0.4	18.3	346	231	74.5
*SM5465BLU		6	1.47	0.4	21.0	397	265	95.2
*SM5485BLU	1.5 (16)	8	1.47	0.4	23.1	437	291	122.2
*SM5415BLU	(7/0.50 <mark>m</mark> m)	10	1.47	0.4	26.2	495	330	149.1
*SM5486BLU		12	1.47	0.4	26.9	508	339	162.6
*SM5487BLU		16	1.47	0.4	29.4	556	370	183.9
*SM5488BLU		20	<mark>1.</mark> 47	0.4	31.4	593	396	212.3
*SM5489BLU		24	<mark>1.</mark> 47	0.4	3 <mark>6.5</mark>	690	460	260.5
*SM5490BLU		36	<mark>1</mark> .47	0.4	41.0	775	517	360.0

*These cables are non-stocked items subject to lead times.

Conductor Size (mm²)	Maximum D.C. Resistance of conductor at 20°C (Ω/km)	Maximum Capacitance (Cond. to Cond.) (pF/m)	Approximate Inductance @1kHz (mH/km)	L/R Ratio @ 1kHz (μΗ/Ω)	
1.5	13.6	110	0.95	36.5	

The information in this specification is to be used as a guide only. World Wire Cables (Aust) Pty Ltd has taken all due care in compiling the information in this specification but accepts no responsibility for any errors or omissions. All information provided in this specification is covered by copyright.



Ph: 1800 008 799

World Wire Cables (Aust) Pty Ltd

www.wwcables.com.au

E-mail: sales@wwcables.com.au