

World Wire Cables Cable Solutions

Multi-Pair PVC Insulated Instrumentation Cables 600V, Cu, Overall Screened, Armoured



PVC V-90

PVC 5V-90

PVC 5V-90

Max. 600V a.c.

Class 2 Plain Annealed Copper

Galvanised Steel Wire Armour

tinned annealed copper drain wire

Aluminium foil/Polyester tape with a 7/0.2mm

Note: The above drawing is for representation purpose only.

Description

Conductor: Insulation: **Overall Screen:**

Bedding: Armour: Sheath:

Core identification

Black and white coloured cores with numbered pairs

Sheath Colour Blue

Technical Data

Rated Voltage: **Operating Temperature:**

Short Circuit Temperature :

Standards Compliance

AS/NZS 1125 AS/NZS 3808 UL Style 2464

Characteristics



FLAME RETARDANT





BEST PRACTICE GUIDELINES

PVC

GREEN STAR

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World Wire Cables (Aust) Pty Ltd

www.wwcables.com.au

-25°C to +75°C, Maximum 90°C* *Not subject to severe mechanical pressure at temperatures higher than 75°C. 160°C for 5 sec

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



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Physical & Electrical Characteristics

WWC Product Code	Conductor Size mm²(AWG)	Number of Pairs	Conductor Diameter (mm)	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx.
						During Installation	After Installation	(kg/100m)
5641	0.5 (20) (7/0.30mm)	1	0.9	0.7	11.4	215	144	24.3
5642		2	0.9	0.7	15.8	299	199	48.5
5644		4	0.9	0.7	17.6	333	222	59.3
5610		10	0.9	0.7	24.5	463	309	142.5
*SM5650		50	0.9	0.7	43.9	830	553	241.5
5.011		-				0.10	105	
5611	1.5 (16) (7/0.50mm)		1.47	0.8	13.1	248	165	31.2
5612		2	1.47	0.8	18.6	352	234	63.9
5613		4	1.47	0.8	20.9	395	263	81.9
*SM5620		20	1.47	0.8	38.3	724	483	370.4

*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.) (nF/100m)	Maximum Capacitance (Cond. to Scr.) (nF/100m)	Approximate Inductance @1kHz (mH/km)	L/R Ratio @ 1kHz (μΗ/Ω)
0.5	38.4	16	26	1.10	13.9
1.5	13.6	16	<mark>2</mark> 6	0.95	36.5

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