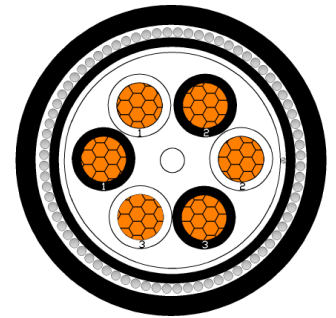




Multi-Pair PVC Insulated Instrumentation Cables 110V, Cu, Overall Screened, Armoured



Note: The above drawing is for representation purpose only.

Description

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

Core identification

Black and white coloured cores with numbered pairs

Sheath Colour

Black

Technical Data

Rated Voltage:	Max. 300V a.c.
Nominal Voltage:	≤ 110V a.c. / 150V d.c.
Operating Temperature:	-25°C to +75°C, Maximum 90°C* *Not subject to severe mechanical pressure at temperatures higher than 75°C.
Short Circuit Temperature :	160°C for 5 sec

Standards Compliance

AS/NZS 1125	AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)
AS/NZS 3808	AS/NZS 1660.5.1 (Equivalent to IEC60332-3-24)
UL Style 2464	

Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +75°C



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.





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

Physical & Electrical Characteristics

WWC Product Code	Conductor Size mm ² (AWG)	Number of Pairs	Conductor Diameter (mm)	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/100m)
						During Installation	After Installation	
5531	0.5 (20) (7/0.30mm)	1	0.9	0.4	10.1	191	127	20.2
5532		2	0.9	0.4	12.5	236	158	28.7
5533		4	0.9	0.4	14.0	265	176	35.4
5534		6	0.9	0.4	16.5	312	208	56.8
5535		8	0.9	0.4	17.1	323	215	63.4
5530		10	0.9	0.4	19.5	369	246	73.6
5536		12	0.9	0.4	20.0	378	252	81.8
5537		16	0.9	0.4	21.9	414	276	106.8
*SM5540		20	0.9	0.4	24.1	455	304	122.9
5538		24	0.9	0.4	25.7	486	324	136.9
5539		36	0.9	0.4	29.9	565	377	175.3
*SM5541		50	0.9	0.4	35.1	663	442	245.9
Separator								
5501	1.5 (16) (7/0.50mm)	1	1.47	0.4	11.4	215	144	26.1
5502		2	1.47	0.4	14.8	280	186	38.9
5504		4	1.47	0.4	17.6	333	222	64.7
5506		6	1.47	0.4	20.0	378	252	83.0
5508		8	1.47	0.4	21.4	404	270	92.9
5510		10	1.47	0.4	24.0	454	302	125.8
5512		12	1.47	0.4	24.6	465	310	133.4
5516		16	1.47	0.4	26.7	505	336	158.7
5520		20	1.47	0.4	28.4	537	358	180.2
5524		24	1.47	0.4	32.7	618	412	235.7
5556		36	1.47	0.4	37.0	699	466	303.7
5550		50	1.47	0.4	42.6	805	537	385.1

© World Wire Cables (Aust) Pty Ltd. All Rights Reserved.

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

Conductor Size (mm ²)	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 (μH/Ω)
0.5	38.4	82	1.00	13.7
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.

