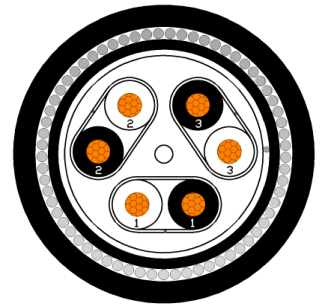




## Multi-Pair PVC Insulated Instrumentation Cables 110V, Cu, I&O Screened, Armoured



Note: The above drawing is for representation purpose only.

### Description

Conductor:	Class 2 Plain Annealed Copper
Insulation:	PVC V-90
Individual & 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

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## Multi-Pair PVC Insulated Instrumentation Cables 110V, Cu, I&O Screened, Armoured

### Physical & Electrical Characteristics

WWC Product Code	Conductor Size mm <sup>2</sup> (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	
5960N	0.5 (20) (7/0.30mm)	2	0.9	0.4	13.0	246	164	30.5
5961N		4	0.9	0.4	14.4	272	181	38.2
5962N		6	0.9	0.4	17.3	327	218	61.2
5963N		8	0.9	0.4	18.3	346	231	68.8
5964N		10	0.9	0.4	20.2	382	255	80.3
5965N		12	0.9	0.4	20.7	391	261	86.1
*SM5966N		16	0.9	0.4	23.2	438	292	111.9
*SM5967N		20	0.9	0.4	24.7	467	311	129.3
*SM5968N		24	0.9	0.4	27.4	518	345	163.4
*SM5969N		36	0.9	0.4	29.8	563	375	204.0
*SM5970N		50	0.9	0.4	34.6	654	436	254.6
5902N		1.5 (16) (7/0.50mm)	2	1.47	0.4	15.2	287	192
5904N	4		1.47	0.4	18.0	340	227	67.9
5906N	6		1.47	0.4	19.8	374	249	85.5
5908N	8		1.47	0.4	22.6	427	285	112.8
5910N	10		1.47	0.4	24.6	465	310	133.0
5912N	12		1.47	0.4	25.3	478	319	143.8
5916N	16		1.47	0.4	27.5	520	347	170.3
5920N	20		1.47	0.4	30.2	571	381	195.1
5924N	24		1.47	0.4	33.7	637	425	254.7
*SM5936N	36		1.47	0.4	38.3	724	483	332.0
*SM5950N	50		1.47	0.4	45.1	852	568	432.8

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

Conductor Size (mm <sup>2</sup> )	Maximum D.C. Resistance of conductor at 20°C (Ω/km)	Maximum Capacitance (Cond. to Cond.) (pF/m)	Maximum Capacitance (Cond. to Scr.) (pF/m)	Approximate Inductance @ 1kHz (mH/km)	L/R Ratio @ 1kHz (μH/Ω)
0.5	38.4	145	240	1.00	13.7
1.5	13.6	200	300	0.95	36.5

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