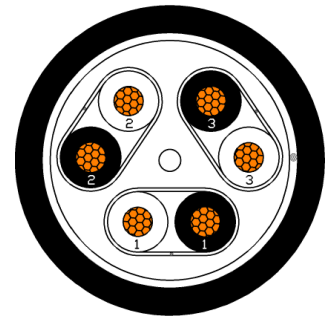




Multi-Pair PVC Insulated Instrumentation Cables 110V, Cu, I&O Screened



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
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	

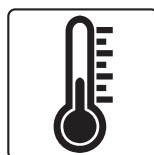
Characteristics



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

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	
5702N	0.5 (20) (7/0.30mm)	2	0.9	0.4	7.9	100	66	6.8
*SM5703N		3	0.9	0.4	8.4	106	71	9.8
5704N		4	0.9	0.4	9.8	123	82	11.7
5706N		6	0.9	0.4	11.9	150	100	16.8
*SM5708N		8	0.9	0.4	12.3	155	103	20.0
5710N		10	0.9	0.4	14.8	186	124	26.9
5712N		12	0.9	0.4	15.3	193	129	30.9
5716N		16	0.9	0.4	17.2	217	144	40.2
*SM5718N		18	0.9	0.4	18.3	231	154	44.9
*SM5720N		20	0.9	0.4	19.0	239	160	49.1
5724N		24	0.9	0.4	20.7	261	174	60.3
5737N		36	0.9	0.4	24.4	307	205	89.1
*SM5750N		50	0.9	0.4	28.8	363	242	112.1
5732N	1.5 (16) (7/0.50mm)	2	1.47	0.4	10.2	129	86	11.8
*SM5733N		3	1.47	0.4	10.8	136	91	16.5
5734N		4	1.47	0.4	12.6	159	106	20.9
5736N		6	1.47	0.4	14.8	186	124	30.6
5738N		8	1.47	0.4	16.3	205	137	39.6
5730N		10	1.47	0.4	18.8	237	158	50.9
5740N		12	1.47	0.4	19.4	244	163	58.9
5742N		16	1.47	0.4	21.8	275	183	77.5
*SM5748N		18	1.47	0.4	23.4	295	197	85.8
5743N		20	1.47	0.4	24.8	312	208	94.0
5744N		24	1.47	0.4	27.6	348	232	116.9
*SM5746N		36	1.47	0.4	31.5	397	265	169.1
*SM5749N		50	1.47	0.4	36.9	465	310	230.6

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*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)	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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