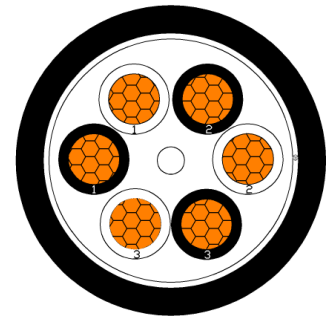




Multi-Pair PVC Insulated Instrumentation Cables 110V, Cu, Overall Screened



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
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	

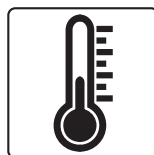
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +75°C



GREEN STAR

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

Physical 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	
5201	0.5 (20) (7/0.30mm)	1	0.9	0.4	5.2	66	44	3.5
5202		2	0.9	0.4	7.6	96	64	5.9
5203		3	0.9	0.4	8.0	101	67	7.6
5204		4	0.9	0.4	9.0	113	76	9.8
5206		6	0.9	0.4	10.5	132	88	13.4
5208		8	0.9	0.4	11.0	139	92	16.6
5210		10	0.9	0.4	13.1	165	110	21.0
5212		12	0.9	0.4	13.9	175	117	25.2
5216		16	0.9	0.4	16.4	207	138	34.2
5218		18	0.9	0.4	16.8	212	141	37.8
5220		20	0.9	0.4	17.2	217	144	41.0
5224		24	0.9	0.4	19.7	248	165	49.8
5236		36	0.9	0.4	24.0	302	202	72.7
5251		50	0.9	0.4	28.5	359	239	99.6
Separator								
5601	0.75 (18) (24/0.2mm)	1	1.16	0.4	5.3	67	45	3.9
5602		2	1.16	0.4	7.9	100	66	7.0
5603		3	1.16	0.4	8.4	106	71	9.3
Separator								
5101	1.0 (17) (7/0.40mm)	1	1.2	0.4	5.6	71	47	4.4
5102		2	1.2	0.4	8.6	108	72	8.1
5103		3	1.2	0.4	9.1	115	76	10.7
Separator								
5001	1.5 (16) (7/0.50mm)	1	1.5	0.4	6.4	81	54	5.9
5002		2	1.5	0.4	9.6	121	81	10.5
5003		3	1.5	0.4	10.2	129	86	14.1
5004		4	1.5	0.4	12.2	154	102	19.2
5006		6	1.5	0.4	14.3	180	120	28.1
5008		8	1.5	0.4	15.5	195	130	35.5
5010		10	1.5	0.4	17.7	223	149	44.9
5012		12	1.5	0.4	18.5	233	155	53.0
5016		16	1.5	0.4	20.7	261	174	68.8
*SM5018		18	1.5	0.4	22.2	280	186	77.2

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

Physical 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	
5020	1.5 (16) (7/0.50mm)	20	1.5	0.4	22.8	287	192	85.6
5024		24	1.5	0.4	26.3	331	221	104.2
5036		36	1.5	0.4	30.4	383	255	150.8
5050		50	1.5	0.4	35.6	449	299	203.4

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

Electrical Characteristics

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
0.75	24.5	89	0.98	20.0
1.0	18.1	98	0.97	27.7
1.5	13.6	110	0.95	36.5

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