



Multi-Triad 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, White and Red coloured cores with numbered triads

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	

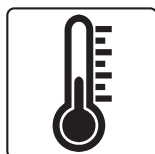
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +75°C



GREEN STAR

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Physical & Electrical Characteristics

WWC Product Code	Conductor Size mm ² (AWG)	Number of Triads	Conductor Diameter (mm)	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/100m)
						During Installation	After Installation	
*SM5332N	0.5 (20) (7/0.30mm)	2	0.9	0.4	13.5	255	170	32.2
5333N		3	0.9	0.4	14.5	274	183	37.6
5343N		4	0.9	0.4	15.5	293	195	55.3
5363N		6	0.9	0.4	18.0	340	227	68.5
*SM5383N		8	0.9	0.4	19.7	372	248	80.0
5313N		10	0.9	0.4	22.3	421	281	91.5
*SM5384N		12	0.9	0.4	23.7	448	299	119.3
*SM5385N		16	0.9	0.4	25.7	486	324	139.7
*SM5386N		20	0.9	0.4	27.4	518	345	160.3
*SM5387N		24	0.9	0.4	29.3	554	369	200.5
*SM5388N		36	0.9	0.4	32.8	620	413	257.9
*SM5334N		1.5 (16) (7/0.50mm)	2	1.47	0.4	17.4	329	219
5335N	3		1.47	0.4	18.1	342	228	67.5
5345N	4		1.47	0.4	19.4	367	244	77.7
5346N	6		1.47	0.4	23.1	437	291	113.9
5348N	8		1.47	0.4	24.6	465	310	131.6
5315N	10		1.47	0.4	28.1	531	354	156.2
*SM5349N	12		1.47	0.4	28.8	544	363	188.2
*SM5351N	16		1.47	0.4	31.5	595	397	224.3
*SM5352N	20		1.47	0.4	33.8	639	426	262.7
*SM5353N	24		1.47	0.4	37.6	711	474	340.0
*SM5354N	36		1.47	0.4	42.3	799	533	502.1

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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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