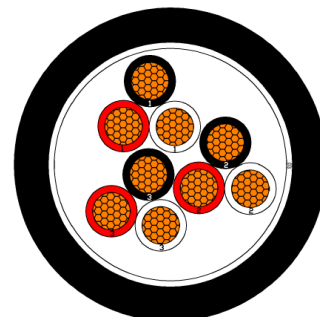




Multi-Triad PVC Insulated Instrumentation Cables 110V, Cu, Overall Screened



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, 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

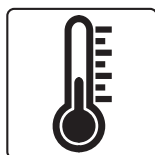
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +75°C



GREEN STAR

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-Triad PVC Insulated Instrumentation Cables 110V, Cu, Overall Screened

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	
5303	0.5(20) (7/0.30mm)	1	0.9	0.4	5.3	67	45	4.1
5304		2	0.9	0.4	8.4	106	71	7.7
5305		3	0.9	0.4	9.1	115	76	10.3
*SM5306		4	0.9	0.4	9.3	117	78	12.8
5307		6	0.9	0.4	11.9	150	100	18.2
*SM5308		8	0.9	0.4	12.5	158	105	24.0
*SM5309		10	0.9	0.4	15.1	190	127	29.1
5310		12	0.9	0.4	15.9	200	134	37.3
*SM5311		16	0.9	0.4	17.6	222	148	42.4
*SM5312		18	0.9	0.4	18.8	237	158	50.2
*SM5314		20	0.9	0.4	19.4	244	163	55.0
*SM5316		24	0.9	0.4	22.5	284	189	68.6
*SM5317		36	0.9	0.4	26.0	328	218	95.5
5403	1.5 (16) (7/0.50mm)	1	1.5	0.4	6.8	86	57	7.7
5404		2	1.5	0.4	10.9	137	92	14.6
5406		3	1.5	0.4	11.1	140	93	19.9
5407		4	1.5	0.4	13.0	164	109	26.0
5408		6	1.5	0.4	16.0	202	134	38.7
*SM5409		8	1.5	0.4	16.7	210	140	48.5
*SM5410		10	1.5	0.4	20.2	255	170	63.0
5411		12	1.5	0.4	21.7	273	182	74.7
*SM5412		16	1.5	0.4	23.6	297	198	98.0
*SM5414		18	1.5	0.4	24.9	314	209	108.8
*SM5416		20	1.5	0.4	25.5	321	214	119.6
*SM5417		24	1.5	0.4	29.9	377	251	141.4
*SM5418		36	1.5	0.4	34.1	430	286	202.7

*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.

