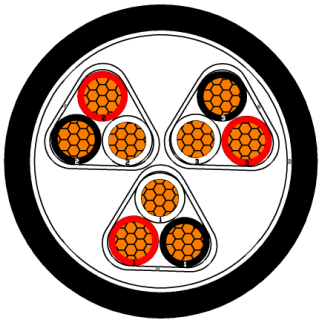
Multi-Triad PVC Insulated Instrumentation Cables 110V, Cu, I&O Screened



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, 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

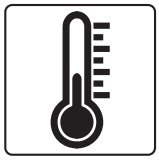
Standards Compliance

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

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

Physical & Electrical Characteristics

WWC Product Code	Conductor Size mm²(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	
5110N	0.5 (20) (7/0.30mm)	2	0.9	0.4	8.8	111	74	8.5
5111N		4	0.9	0.4	10.4	131	87	14.9
5112N		6	0.9	0.4	12.6	159	106	21.6
*SM5113N		8	0.9	0.4	13.9	175	117	30.6
*SM5114N		10	0.9	0.4	16.7	210	140	37.2
5115N		12	0.9	0.4	17.2	217	144	41.6
*SM5116N		16	0.9	0.4	19.7	248	165	53.9
*SM5117N		18	0.9	0.4	20.8	262	175	59.8
*SM5118N		20	0.9	0.4	21.3	268	179	65.8
*SM5119N		24	0.9	0.4	23.5	296	197	78.1
*SM5120N		36	0.9	0.4	27.2	343	228	110.6
*SM5121N	1.5 (16) (7/0.50mm)	2	1.5	0.4	11.3	142	95	19.3
5122N		4	1.5	0.4	14.0	176	118	29.4
5123N		6	1.5	0.4	16.7	210	140	42.5
*SM5124N		8	1.5	0.4	18.3	231	154	56.9
*SM5125N		10	1.5	0.4	21.3	268	179	70.1
5126N		12	1.5	0.4	22.7	286	191	81.0
5127N		16	1.5	0.4	25.6	323	215	106.5
*SM5128N		18	1.5	0.4	26.1	329	219	116.8
*SM5129N		20	1.5	0.4	26.8	338	225	129.1
*SM5130N		24	1.5	0.4	30.9	389	260	153.9
5131N		36	1.5	0.4	37.1	467	312	230.4

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

Conductor Size (mm²)	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