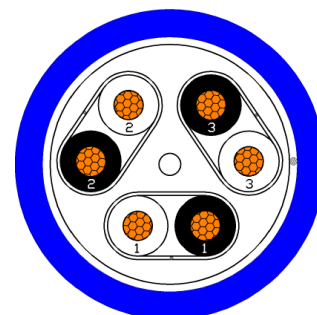




Multi-Pair PVC Insulated Instrumentation Cables 110V, Cu, I&O Screened



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

Blue

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

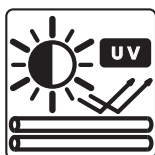
AS/NZS 1660.5.1 (Equivalent to IEC60332-3-24)

UL Style 2464

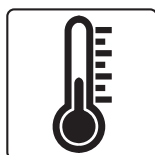
Characteristics



FLAME RETARDANT



UV RESISTANT



-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	
5732BLU-N	1.5 (16) (7/0.50mm)	2	1.47	0.4	10.2	129	86	11.8
*SM5733BLU-N		3	1.47	0.4	10.8	136	91	16.5
*SM5734BLU-N		4	1.47	0.4	12.6	159	106	20.9
5736BLU-N		6	1.47	0.4	14.8	186	124	30.6
*SM5738BLU-N		8	1.47	0.4	16.3	205	137	39.6
*SM5730BLU-N		10	1.47	0.4	18.8	237	158	50.9
*SM5740BLU-N		12	1.47	0.4	19.4	244	163	58.9
*SM5742BLU-N		16	1.47	0.4	21.8	275	183	77.5
*SM5748BLU-N		18	1.47	0.4	23.4	295	197	85.8
*SM5743BLU-N		20	1.47	0.4	24.8	312	208	94.0
*SM5744BLU-N		24	1.47	0.4	27.6	348	232	116.9
*SM5746BLU-N		36	1.47	0.4	31.5	397	265	169.1
*SM5749BLU-N		50	1.47	0.4	36.9	465	310	230.6

*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)
1.5	13.6	200	300	0.95	36.5

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