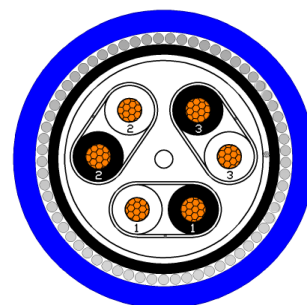
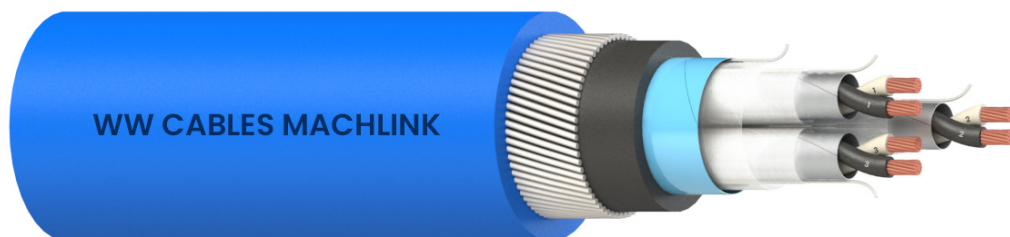




Multi-Pair PVC Insulated Instrumentation Cables 110V, Cu, I&O Screened, Armoured



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 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

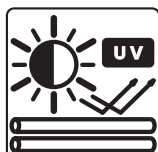
Standards Compliance

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	

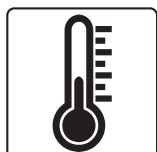
Characteristics



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, Armoured

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	
5960BLU-N	0.5 (20) (7/0.30mm)	2	0.9	0.4	13.0	246	164	30.5
5961BLU-N		4	0.9	0.4	14.4	272	181	38.2
5962BLU-N		6	0.9	0.4	17.3	327	218	61.2
5963BLU-N		8	0.9	0.4	18.3	346	231	68.8
*SM5964BLU-N		10	0.9	0.4	20.2	382	255	80.3
5965BLU-N		12	0.9	0.4	20.7	391	261	86.1
*SM5966BLU-N		16	0.9	0.4	23.2	438	292	111.9
*SM5967BLU-N		20	0.9	0.4	24.7	467	311	129.3
*SM5968BLU-N		24	0.9	0.4	27.4	518	345	163.4
*SM5969BLU-N		36	0.9	0.4	29.8	563	375	204.0
*SM5970BLU-N		50	0.9	0.4	34.6	654	436	254.6
5902BLU-N	1.5 (16) (7/0.50mm)	2	1.47	0.4	15.2	287	192	38.4
5904BLU-N		4	1.47	0.4	18.0	340	227	67.9
5906BLU-N		6	1.47	0.4	19.8	374	249	85.5
5908BLU-N		8	1.47	0.4	22.6	427	285	112.8
*SM5910BLU-N		10	1.47	0.4	24.6	465	310	133.0
5912BLU-N		12	1.47	0.4	25.3	478	319	143.8
*SM5916BLU-N		16	1.47	0.4	27.5	520	347	170.3
*SM5920BLU-N		20	1.47	0.4	30.2	571	381	195.1
*SM5924BLU-N		24	1.47	0.4	33.7	637	425	254.7
*SM5936BLU-N		36	1.47	0.4	38.3	724	483	332.0
*SM5950BLU-N		50	1.47	0.4	45.1	852	568	432.8

*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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