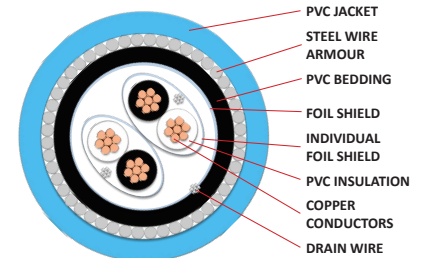


## INSTRUMENTATION CABLE 1.5mm<sup>2</sup> IS&OS SWA - BLUE

### NOT FOR MAINS CONNECTION

**APPLICATION:** Used in process control applications for interconnecting measurement instruments, instrument panels, sensing devices and control systems. These cables are not to be regarded as power cables and should not be used for the direct connection of equipment to mains power supplies.



### TECHNICAL DATA

<b>Conductor</b>	Stranded Plain Annealed Copper Conductor 1.5mm <sup>2</sup> (7/0.50)
<b>Insulation</b>	PVC, V-90, White & Black Numbered Twisted Pair
<b>Screen</b>	Individual & Overall Aluminium/Polyester Foil Shield with 7/0.20 Tinned Copper Drain Wire
<b>Bedding</b>	Black PVC, 5V-90, Flame Retardant
<b>Armouring</b>	Single layer galvanised (mild) steel wires helically applied over bedding
<b>Sheath</b>	Blue PVC, 5V-90, Flame Retardant UV Resistant
<b>Operating Voltage</b>	110V AC/150V DC
<b>Operating Temperature</b>	-20°C to +90°C
<b>Bending Radius</b>	12D
<b>Standards</b>	International: IEC 60332-3-22, IEC 60079.14 Australia/NZ: AS/NZS 1125, AS/NZS 3808, AS/NZS 1660, AS/NZS 3863

<b>Maximum Current Rating (Amps)</b>	13
<b>Conductor Resistance @ 20°C (Ω/km)</b>	13.6
<b>Capacitance Cond. to Cond. - Unscreened (pf/m)</b>	110
<b>Capacitance Cond. to Cond. - Screened (pf/m)</b>	200
<b>Capacitance Cond. to Scr. - Screened (pf/m)</b>	300
<b>Characteristic Impedance @ 1kHz Unscreened (Ohms)</b>	200
<b>Characteristic Impedance @ Screened 1kHz (Ohms)</b>	150
<b>Inductance @ 1kHz (mH/km)</b>	0.95
<b>LR Ratio (uH/Ω)</b>	36.5

### PHYSICAL CHARACTERISTICS

Product Code	No. of Pairs	Conductor Area (mm <sup>2</sup> )	Conductor Stranding (No./mm)	Insulation Thickness (mm)	Nominal O.D. Under Armour (mm)	Nominal O.D. (mm)	Approx. Weight (kg/km)
MAU5502ESCS SWA BE	2	1.5	7/0.50	0.4	11.1	15.7	430
MAU5504ESCS SWA BE	4	1.5	7/0.50	0.4	12.4	18.1	696
MAU5506ESCS SWA BE	6	1.5	7/0.50	0.4	14.8	20.5	869
MAU5508ESCS SWA BE	8	1.5	7/0.50	0.4	16.1	22.2	1016
MAU5510ESCS SWA BE	10	1.5	7/0.50	0.4	18.9	25.7	1375
MAU5512ESCS SWA BE	12	1.5	7/0.50	0.4	19.5	26.3	1483
MAU5516ESCS SWA BE	16	1.5	7/0.50	0.4	21.8	29.0	1773
MAU5520ESCS SWA BE	20	1.5	7/0.50	0.4	23.6	30.8	2020
MAU5524ESCS SWA BE	24	1.5	7/0.50	0.4	27.1	34.7	2378
MAU5536ESCS SWA BE	36	1.5	7/0.50	0.4			
MAU5550ESCS SWA BE	50	1.5	7/0.50	0.4			

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