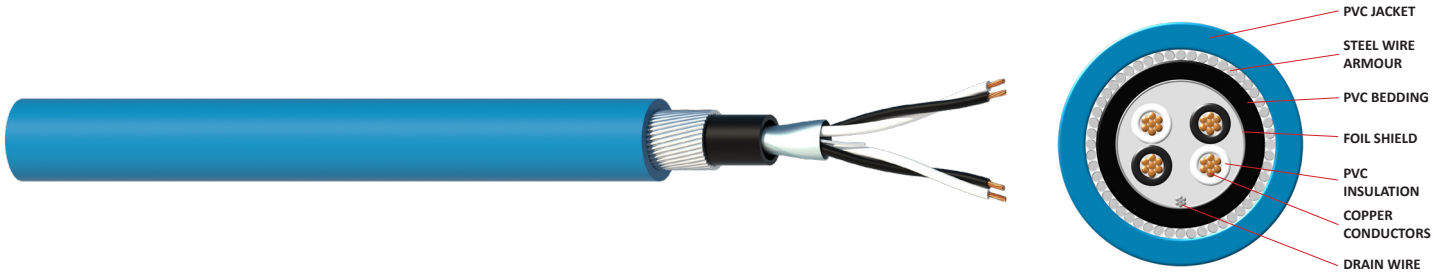


## INSTRUMENTATION CABLE 0.5mm<sup>2</sup> OS SWA - BLUE

**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 0.5mm <sup>2</sup> (7/0.30)
<b>Insulation</b>	PVC, V-90, White & Black Numbered Twisted Pair
<b>Screen</b>	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>	3.2
<b>Conductor Resistance @ 20°C (Ω/km)</b>	38.4
<b>Capacitance Cond. to Cond. - Unscreened (pf/m)</b>	85
<b>Capacitance Cond. to Cond. - Screened (pf/m)</b>	145
<b>Capacitance Cond. to Scr. - Screened (pf/m)</b>	240
<b>Characteristic Impedance @ 1kHz Unscreened (Ohms)</b>	380
<b>Characteristic Impedance @ Screened 1kHz (Ohms)</b>	300
<b>Inductance @ 1kHz (mH/km)</b>	1.0
<b>LR Ratio (uH/Ω)</b>	13.7

### 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)
MAU5001CS SWA BE	1	0.5	7/0.30	0.4	5.8	10.2	202
MAU5002CS SWA BE	2	0.5	7/0.30	0.4	8.2	12.6	285
MAU5004CS SWA BE	4	0.5	7/0.30	0.4	9.4	14.0	355
MAU5006CS SWA BE	6	0.5	7/0.30	0.4	10.8	15.4	425
MAU5008CS SWA BE	8	0.5	7/0.30	0.4	11.4	17.1	606
MAU5010CS SWA BE	10	0.5	7/0.30	0.4	13.3	19.2	717
MAU5012CS SWA BE	12	0.5	7/0.30	0.4	13.7	19.6	764
MAU5016CS SWA BE	16	0.5	7/0.30	0.4	15.2	21.1	882
MAU5020CS SWA BE	20	0.5	7/0.30	0.4	16.9	23.7	1161
MAU5024CS SWA BE	24	0.5	7/0.30	0.4	18.7	25.5	1305
MAU5036CS SWA BE	36	0.5	7/0.30	0.4			
MAU5050CS SWA BE	50	0.5	7/0.30	0.4			

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