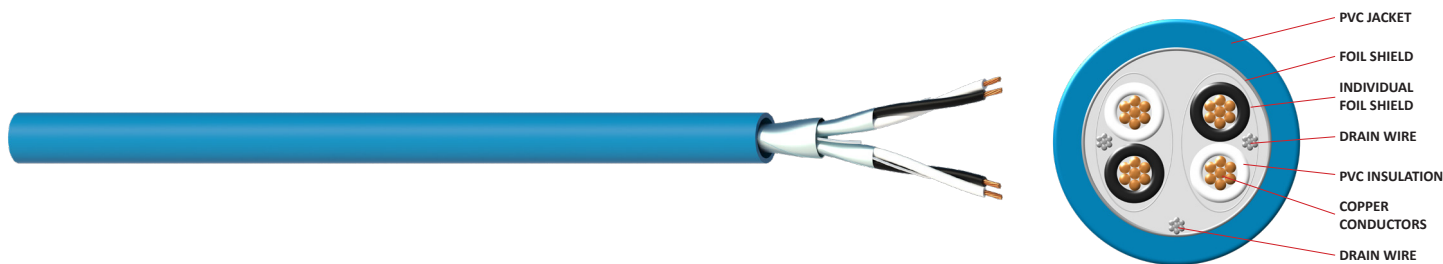


# INSTRUMENTATION CABLE

## 0.5mm<sup>2</sup> IS&OS - 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>	Individual & Overall Aluminium/Polyester Foil Shield with 7/0.20 Tinned Copper Drain Wire
<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>	8D
<b>Standards</b>	International: IEC 60332-3-22, IEC 60079.14 Australia/New Zealand: AS/NZS 1125, AS/NZS 3808, AS/NZS 1660

<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. (mm)	Approx. Weight (kg/km)
MAU5002ESCS BE	2	0.5	7/0.30	0.4	8.2	64
MAU5004ESCS BE	4	0.5	7/0.30	0.4	9.2	102
MAU5006ESCS BE	6	0.5	7/0.30	0.4	11.4	154
MAU5008ESCS BE	8	0.5	7/0.30	0.4	12.3	193
MAU5010ESCS BE	10	0.5	7/0.30	0.4	14.8	251
MAU5012ESCS BE	12	0.5	7/0.30	0.4	15.5	296
MAU5016ESCS BE	16	0.5	7/0.30	0.4	17.6	391
MAU5020ESCS BE	20	0.5	7/0.30	0.4	19.5	474
MAU5024ESCS BE	24	0.5	7/0.30	0.4	22.2	588
MAU5036ESCS BE	36	0.5	7/0.30	0.4		
MAU5050ESCS BE	50	0.5	7/0.30	0.4		

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