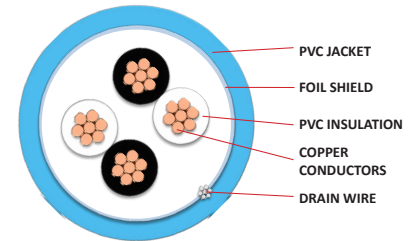


## INSTRUMENTATION CABLE

### 0.5mm<sup>2</sup> OS - 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 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>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)
MAU5001CS BE	1	0.5	7/0.30	0.4	5.2	33
MAU5002CS BE	2	0.5	7/0.30	0.4	7.3	58
MAU5004CS BE	4	0.5	7/0.30	0.4	8.8	93
MAU5006CS BE	6	0.5	7/0.30	0.4	10.7	135
MAU5008CS BE	8	0.5	7/0.30	0.4	11.2	172
MAU5010CS BE	10	0.5	7/0.30	0.4	13.5	223
MAU5012CS BE	12	0.5	7/0.30	0.4	13.9	256
MAU5016CS BE	16	0.5	7/0.30	0.4	15.8	340
MAU5020CS BE	20	0.5	7/0.30	0.4	17.7	421
MAU5024CS BE	24	0.5	7/0.30	0.4	19.7	504
MAU5036CS BE	36	0.5	7/0.30	0.4		
MAU5050CS BE	50	0.5	7/0.30	0.4		

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