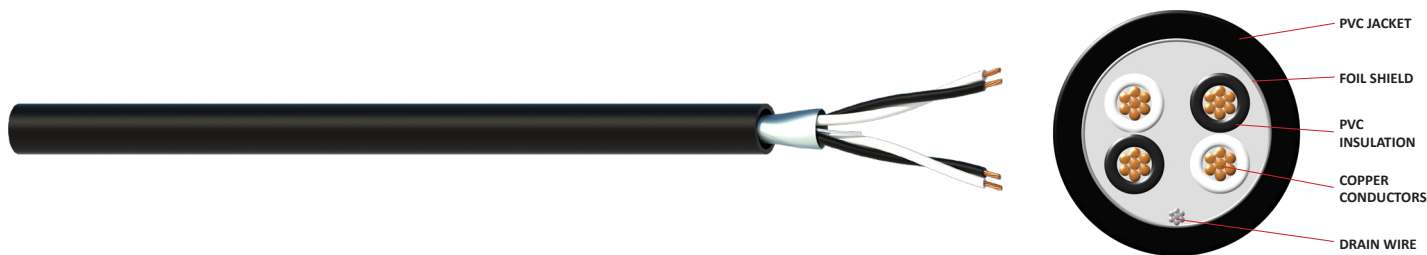


# INSTRUMENTATION CABLE

## 1.5mm<sup>2</sup> OS - BLACK

**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-90HT, White & Black Numbered Twisted Pair
<b>Screen</b>	Overall Aluminium/Polyester Foil Shield with 7/0.20 Tinned Copper Drain Wire
<b>Sheath</b>	Black 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>	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. (mm)	Approx. Weight (kg/km)
MAU5102CS	1	1.5	7/0.50	0.4	6.4	57
MAU5502CS	2	1.5	7/0.50	0.4	9.6	106
MAU5503CS	3	1.5	7/0.50	0.4	10.5	138
MAU5504CS	4	1.5	7/0.50	0.4	11.2	183
MAU5506CS	6	1.5	7/0.50	0.4	14.3	289
MAU5508CS	8	1.5	7/0.50	0.4	15.2	371
MAU5510CS	10	1.5	7/0.50	0.4	18.3	475
MAU5512CS	12	1.5	7/0.50	0.4	18.9	550
MAU5516CS	16	1.5	7/0.50	0.4	20.7	713
MAU5520CS	20	1.5	7/0.50	0.4	23.4	894
MAU5524CS	24	1.5	7/0.50	0.4	25.9	1057
MAU5536CS	36	1.5	7/0.50	0.4		
MAU5550CS	50	1.5	7/0.50	0.4		

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