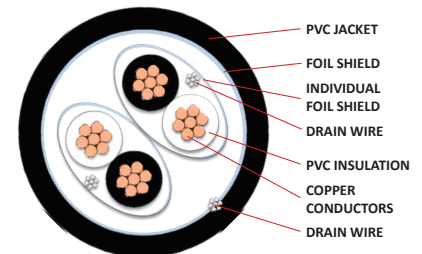


## INSTRUMENTATION CABLE

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

#### 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

Conductor	Stranded Plain Annealed Copper Conductor 1.5mm <sup>2</sup> (7/0.50)
Insulation	PVC, V-90, White & Black Numbered Twisted Pair
Screen	Individual & Overall Aluminium/Polyester Foil Shield with 7/0.20 Tinned Copper Drain Wire
Sheath	Black PVC, 5V-90, Flame Retardant UV Resistant
Operating Voltage	110V AC/150V DC
Operating Temperature	-20°C to +90°C
Bending Radius	8D
Standards	International: IEC 60332-3-22, IEC 60079.14 Australia/New Zealand: AS/NZS 1125, AS/NZS 3808, AS/NZS 1660

Maximum Current Rating (Amps)	13
Conductor Resistance @ 20°C (Ω/km)	13.6
Capacitance Cond. to Cond. - Unscreened (pf/m)	110
Capacitance Cond. to Cond. - Screened (pf/m)	200
Capacitance Cond. to Scr. - Screened (pf/m)	300
Characteristic Impedance @ 1kHz Unscreened (Ohms)	200
Characteristic Impedance @ Screened 1kHz (Ohms)	150
Inductance @ 1kHz (mH/km)	0.95
LR Ratio (uH/Ω)	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)
MAU5502ESCS	2	1.5	7/0.50	0.4	10.2	116
MAU5504ESCS	4	1.5	7/0.50	0.4	12.0	204
MAU5506ESCS	6	1.5	7/0.50	0.4	14.8	304
MAU5508ESCS	8	1.5	7/0.50	0.4	16.5	401
MAU5510ESCS	10	1.5	7/0.50	0.4	19.7	513
MAU5512ESCS	12	1.5	7/0.50	0.4	20.3	593
MAU5516ESCS	16	1.5	7/0.50	0.4	23.0	781
MAU5520ESCS	20	1.5	7/0.50	0.4	25.9	977
MAU5524ESCS	24	1.5	7/0.50	0.4	29.1	1180
MAU5536ESCS	36	1.5	7/0.50	0.4		
MAU5550ESCS	50	1.5	7/0.50	0.4		

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