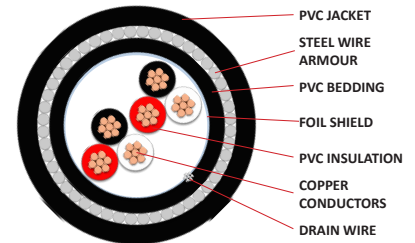


## INSTRUMENTATION CABLE

### 1.5mm<sup>2</sup> OS SWA TRIADS - 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, Red, White & Black Numbered Twisted Triad
Screen	Overall Aluminium/Polyester Foil Shield with 7/0.20 Tinned Copper Drain Wire
Bedding	Black PVC, 5V-90, Flame Retardant
Armouring	Single layer galvanised (mild) steel wires helically applied over bedding
Sheath	Black PVC, 5V-90, Flame Retardant UV Resistant
Operating Voltage	110V AC/150V DC
Operating Temperature	-20°C to +90°C
Bending Radius	12D
Standards	International: IEC 60332-3-22, IEC 60079.14 Australia/NZ: AS/NZS 1125, AS/NZS 3808, AS/NZS 1660, AS/NZS 3863

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 Triads	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)
MAU5103CS SWA	1	1.5	7/0.50	0.4	7.4	11.8	283
MAU5602CS SWA	2	1.5	7/0.50	0.4	11.3	16.6	570
MAU5604CS SWA	4	1.5	7/0.50	0.4	13.2	18.9	759
MAU5606CS SWA	6	1.5	7/0.50	0.4	15.8	21.9	982
MAU5608CS SWA	8	1.5	7/0.50	0.4	17.1	23.9	1281
MAU5612CS SWA	12	1.5	7/0.50	0.4	20.9	28.1	1737

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