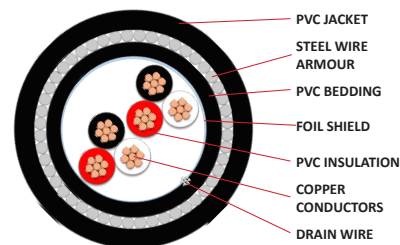
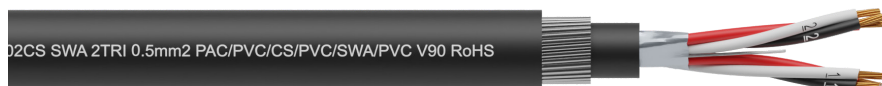


## INSTRUMENTATION CABLE

### 0.5mm<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

<b>Conductor</b>	Stranded Plain Annealed Copper Conductor 0.5mm <sup>2</sup> (7/0.30)
<b>Insulation</b>	PVC, V-90, Red, White & Black Numbered Twisted Triad
<b>Screen</b>	Overall Aluminium/Polyester Foil Shield with 7/0.20 Tinned Copper Drain Wire
<b>Bedding</b>	Black PVC, 5V-90, Flame Retardant
<b>Armouring</b>	Single layer galvanised (mild) steel wires helically applied over bedding
<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>	12D
<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 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)
MAU5301CS SWA	1	0.5	7/0.30	0.4	6.1	10.5	217
MAU5302CS SWA	2	0.5	7/0.30	0.4	9.0	13.4	322
MAU5304CS SWA	4	0.5	7/0.30	0.4	10.4	15.0	412
MAU5306CS SWA	6	0.5	7/0.30	0.4	12.3	18.0	653
MAU5308CS SWA	8	0.5	7/0.30	0.4	13.3	19.4	753
MAU5312CS SWA	12	0.5	7/0.30	0.4	16.1	22.9	1088

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