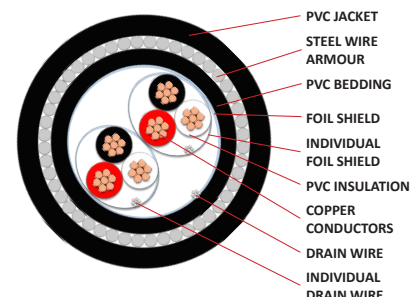
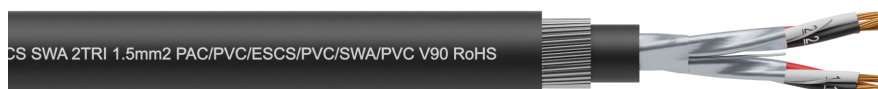


INSTRUMENTATION CABLE

1.5mm² IS&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 ² (7/0.50)
Insulation	PVC, V-90, Red, White & Black Numbered Twisted Triad
Screen	Individual & 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 ²)	Conductor Stranding (No./mm)	Insulation Thickness (mm)	Nominal O.D. Under Armour (mm)	Nominal O.D. (mm)	Approx. Weight (kg/km)
MAU5602ESCS SWA	2	1.5	7/0.50	0.4	11.9	17.4	627
MAU5604ESCS SWA	4	1.5	7/0.50	0.4	13.8	19.5	829
MAU5606ESCS SWA	6	1.5	7/0.50	0.4	16.5	23.3	1222
MAU5608ESCS SWA	8	1.5	7/0.50	0.4	17.9	24.7	1407
MAU5612ESCS SWA	12	1.5	7/0.50	0.4	21.9	29.1	1859

Disclaimer: Although Maser Australia makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice. Maser provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Maser be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Maser has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein