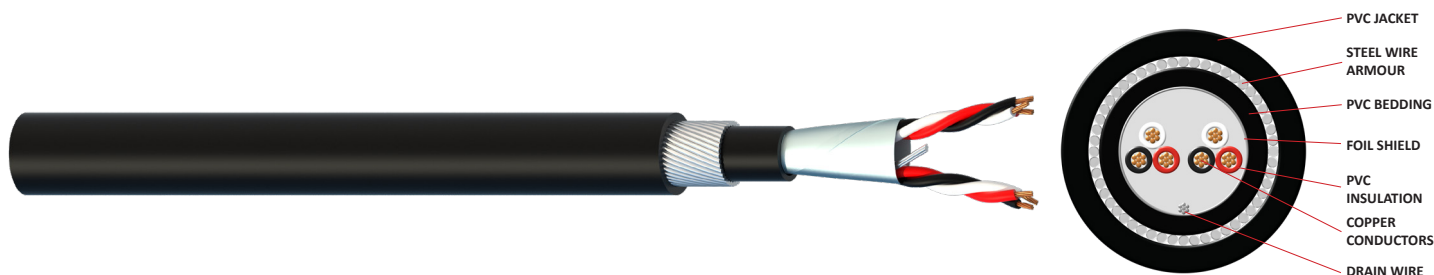


INSTRUMENTATION CABLE

0.5mm² OS/SWA TRIADS - 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

Conductor	Stranded Plain Annealed Copper Conductor 0.5mm ² (7/0.30)
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/New Zealand: AS/NZS 1125, AS/NZS 3808, AS/NZS 1660

Maximum Current Rating (Amps)	3.2
Conductor Resistance @ 20°C (Ω/km)	38.4
Capacitance Cond. to Cond. - Unscreened (pf/m)	85
Capacitance Cond. to Cond. - Screened (pf/m)	145
Capacitance Cond. to Scr. - Screened (pf/m)	240
Characteristic Impedance @ 1kHz Unscreened (Ohms)	380
Characteristic Impedance @ Screened 1kHz (Ohms)	300
Inductance @ 1kHz (mH/km)	1
LR Ratio (uH/Ω)	13.7

PHYSICAL CHARACTERISTICS

Product Code	No. of Triads	Conductor Area (mm ²)	Conductor Stranding (No./mm)	Insulation Thickness (mm)	Nominal O.D. (mm)	Approx. Weight (kg/km)
MAU5301CS SWA	1	0.5	7/0.30	0.4	10.5	217
MAU5302CS SWA	2	0.5	7/0.30	0.4	13.4	322
MAU5304CS SWA	4	0.5	7/0.30	0.4	15.0	412
MAU5306CS SWA	6	0.5	7/0.30	0.4	18.0	653
MAU5308CS SWA	8	0.5	7/0.30	0.4	19.4	753
MAU5312CS SWA	12	0.5	7/0.30	0.4	22.9	1088

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