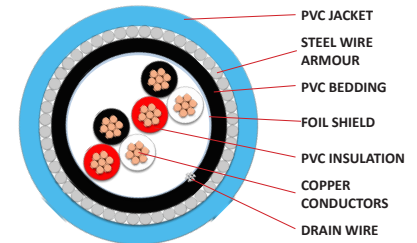


INSTRUMENTATION CABLE

0.5mm² OS SWA TRIADS - BLUE

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 0.5mm ² (7/0.30)
Insulation	PVC, V-90, White & Black Numbered Twisted Pair
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	Blue 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)	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)	1.0
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. Under Armour (mm)	Nominal O.D. (mm)	Approx. Weight (kg/km)
MAU5301CS SWA BE	1	0.5	7/0.30	0.4	6.1	10.5	217
MAU5302CS SWA BE	2	0.5	7/0.30	0.4	9.0	13.4	322
MAU5304CS SWA BE	4	0.5	7/0.30	0.4	10.4	15.0	412
MAU5306CS SWA BE	6	0.5	7/0.30	0.4	12.3	18.0	653
MAU5308CS SWA BE	8	0.5	7/0.30	0.4	13.3	19.4	753
MAU5312CS SWA BE	12	0.5	7/0.30	0.4	16.1	22.9	1088

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