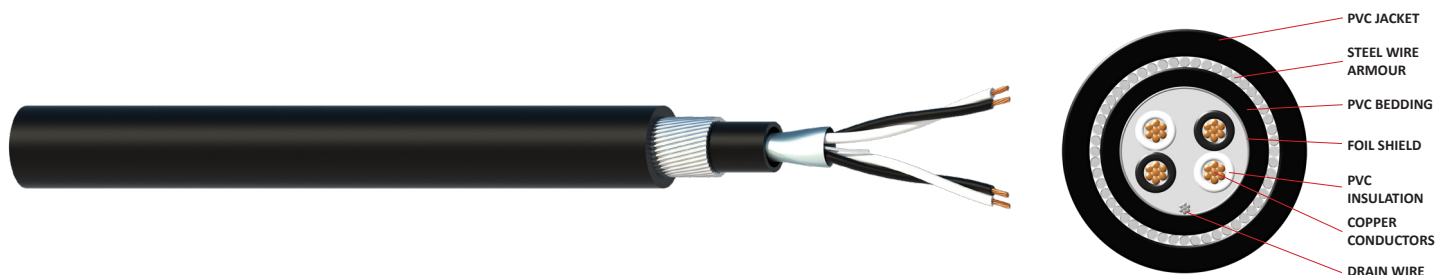


INSTRUMENTATION CABLE

1.5mm² OS SWA - 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 1.5mm ² (7/0.50)
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	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 Pairs	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)
MAU5102CS SWA	1	1.5	7/0.50	0.4	7.0	11.4	255
MAU5502CS SWA	2	1.5	7/0.50	0.4	10.2	14.8	388
MAU5504CS SWA	4	1.5	7/0.50	0.4	11.8	17.5	640
MAU5506CS SWA	6	1.5	7/0.50	0.4	13.7	19.4	780
MAU5508CS SWA	8	1.5	7/0.50	0.4	14.5	20.2	881
MAU5510CS SWA	10	1.5	7/0.50	0.4	17.1	23.9	1212
MAU5512CS SWA	12	1.5	7/0.50	0.4	17.7	24.5	1308
MAU5516CS SWA	16	1.5	7/0.50	0.4	19.7	26.7	1550
MAU5520CS SWA	20	1.5	7/0.50	0.4	21.4	28.6	1779
MAU5524CS SWA	24	1.5	7/0.50	0.4	24.2	31.4	2042
MAU5536CS SWA	36	1.5	7/0.50	0.4			
MAU5550CS SWA	50	1.5	7/0.50	0.4			

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