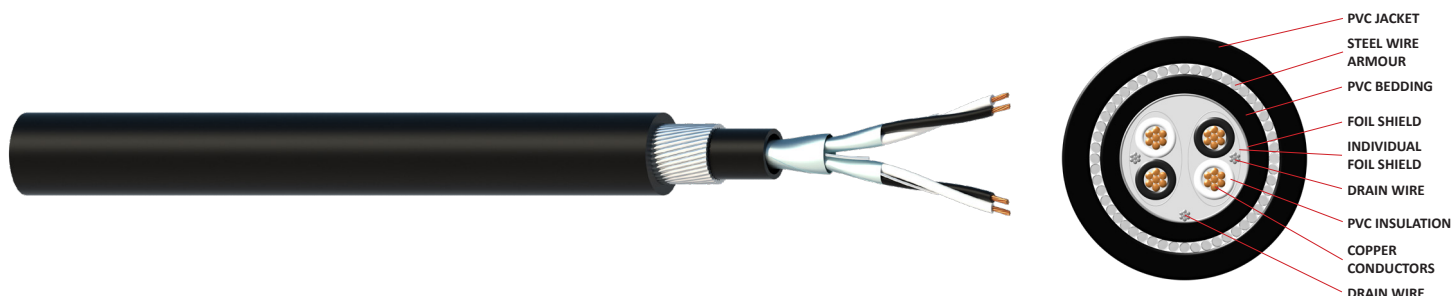


INSTRUMENTATION CABLE

1.5mm² IS&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	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 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)
MAU5502ESCS SWA	2	1.5	7/0.50	0.4	11.1	15.7	430
MAU5504ESCS SWA	4	1.5	7/0.50	0.4	12.4	18.1	696
MAU5506ESCS SWA	6	1.5	7/0.50	0.4	14.8	20.5	869
MAU5508ESCS SWA	8	1.5	7/0.50	0.4	16.1	22.2	1016
MAU5510ESCS SWA	10	1.5	7/0.50	0.4	18.9	25.7	1375
MAU5512ESCS SWA	12	1.5	7/0.50	0.4	19.5	26.3	1483
MAU5516ESCS SWA	16	1.5	7/0.50	0.4	21.8	29.0	1773
MAU5520ESCS SWA	20	1.5	7/0.50	0.4	23.6	30.8	2020
MAU5524ESCS SWA	24	1.5	7/0.50	0.4	27.1	34.7	2378
MAU5536ESCS SWA	36	1.5	7/0.50	0.4			
MAU5550ESCS SWA	50	1.5	7/0.50	0.4			

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