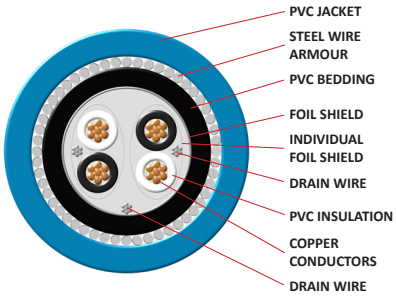
INSTRUMENTATION CABLE
0.5mm² IS&OS SWA - BLUE

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 0.5mm² (7/0.30)
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	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 Pairs	Conductor Area (mm²)	Conductor Stranding (No./mm)	Insulation Thickness (mm)	Nominal O.D. Under Armour (mm)	Nominal O.D. (mm)	Approx. Weight (kg/km)
MAU5002ESCS SWA BE	2	0.5	7/0.30	0.4	9.0	13.4	321
MAU5004ESCS SWA BE	4	0.5	7/0.30	0.4	10.0	14.6	394
MAU5006ESCS SWA BE	6	0.5	7/0.30	0.4	11.8	17.3	620
MAU5008ESCS SWA BE	8	0.5	7/0.30	0.4	12.7	18.4	702
MAU5010ESCS SWA BE	10	0.5	7/0.30	0.4	14.8	20.7	835
MAU5012ESCS SWA BE	12	0.5	7/0.30	0.4	15.3	21.2	892
MAU5016ESCS SWA BE	16	0.5	7/0.30	0.4	17.0	23.6	1185
MAU5020ESCS SWA BE	20	0.5	7/0.30	0.4	18.4	25.2	1339
MAU5024ESCS SWA BE	24	0.5	7/0.30	0.4	21.0	28.2	1556
MAU5036ESCS SWA BE	36	0.5	7/0.30	0.4			
MAU5050ESCS SWA BE	50	0.5	7/0.30	0.4			