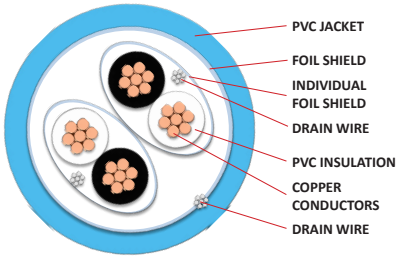
V. 0325-01

INSTRUMENTATION CABLE
0.5mm² IS&OS - 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 0.5mm² (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
Sheath	Blue PVC, 5V-90, Flame Retardant UV Resistant
Operating Voltage	110V AC/150V DC
Operating Temperature	-20°C to +90°C
Bending Radius	8D
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)	1.0
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. (mm)	Approx. Weight (kg/km)
MAU5002ESCS BE	2	0.5	7/0.30	0.4	8.2	64
MAU5004ESCS BE	4	0.5	7/0.30	0.4	9.2	102
MAU5006ESCS BE	6	0.5	7/0.30	0.4	11.4	154
MAU5008ESCS BE	8	0.5	7/0.30	0.4	12.3	193
MAU5010ESCS BE	10	0.5	7/0.30	0.4	14.8	251
MAU5012ESCS BE	12	0.5	7/0.30	0.4	15.5	296
MAU5016ESCS BE	16	0.5	7/0.30	0.4	17.6	391
MAU5020ESCS BE	20	0.5	7/0.30	0.4	19.5	474
MAU5024ESCS BE	24	0.5	7/0.30	0.4	22.2	588
MAU5036ESCS BE	36	0.5	7/0.30	0.4		
MAU5050ESCS BE	50	0.5	7/0.30	0.4		