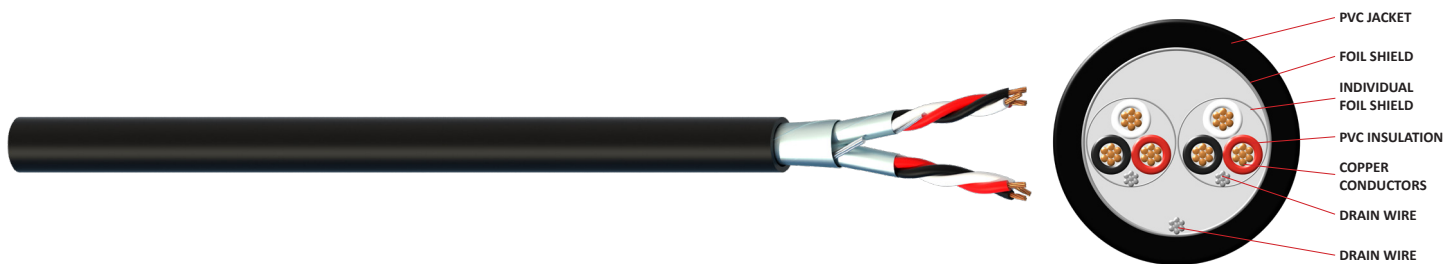


INSTRUMENTATION CABLE

1.5mm² IS&OS TRIADS - 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, Red, White & Black Numbered Twisted Triad
Screen	Individual & Overall Aluminium/Polyester Foil Shield with 7/0.20 Tinned Copper Drain Wire
Sheath	Black PVC, 5V-90, Flame Retardant UV Resistant
Operating Voltage	110V AC/150V DC
Operating Temperature	-20°C to +90°C
Bending Radius	10D
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)	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 Triads	Conductor Area (mm ²)	Conductor Stranding (No./mm)	Insulation Thickness (mm)	Nominal O.D. (mm)	Approx. Weight (kg/km)
MAU5602ESCS	2	1.5	7/0.50	0.4	11.5	164
MAU5604ESCS	4	1.5	7/0.50	0.4	13.6	292
MAU5606ESCS	6	1.5	7/0.50	0.4	16.9	441
MAU5608ESCS	8	1.5	7/0.50	0.4	18.7	580
MAU5612ESCS	12	1.5	7/0.50	0.4	23.1	857
MAU5616ESCS	16	1.5	7/0.50	0.4	24.4	1082

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