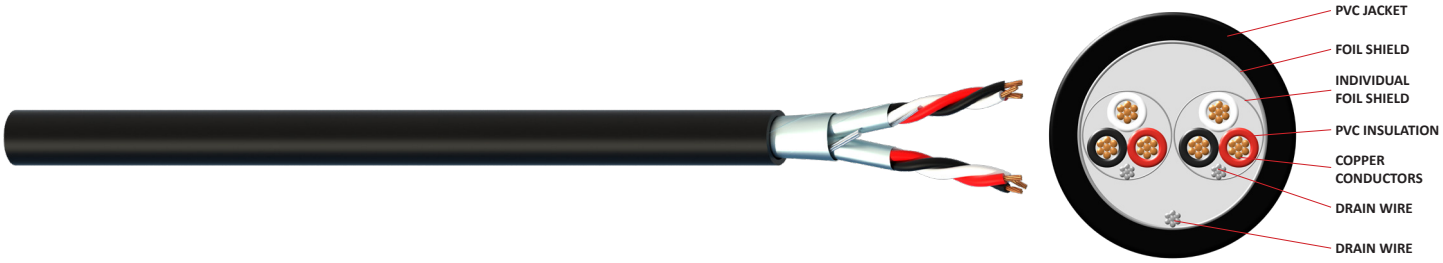
INSTRUMENTATION CABLE
0.5mm² IS&OS TRIADS - BLACK

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 0.5mm² (7/0.30)
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)	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 Triads	Conductor Area (mm²)	Conductor Stranding (No./mm)	Insulation Thickness (mm)	Nominal O.D. (mm)	Approx. Weight (kg/km)
MAU5302ESCS	2	0.5	7/0.30	0.4	8.8	84
MAU5304ESCS	4	0.5	7/0.30	0.4	10.6	150
MAU5306ESCS	6	0.5	7/0.30	0.4	12.8	218
MAU5308ESCS	8	0.5	7/0.30	0.4	14.1	238
MAU5312ESCS	12	0.5	7/0.30	0.4	17.2	410
MAU5316ESCS	16	0.5	7/0.30	0.4		