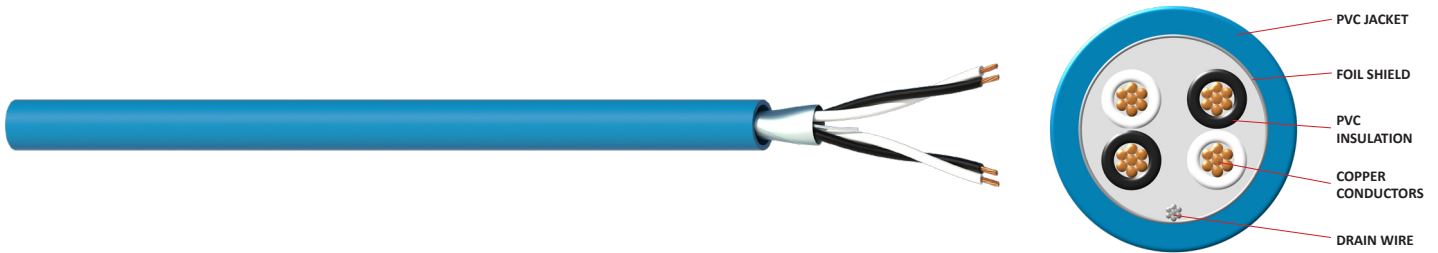


INSTRUMENTATION CABLE

0.5mm² OS - 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 0.5mm ² (7/0.30) |
| Insulation | PVC, V-90, White & Black Numbered Twisted Pair |
| Screen | 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 (mm ²) | Conductor Stranding (No./mm) | Insulation Thickness (mm) | Nominal O.D. (mm) | Approx. Weight (kg/km) |
|--------------|--------------|-----------------------------------|------------------------------|---------------------------|-------------------|------------------------|
| MAU5001CS BE | 1 | 0.5 | 7/0.30 | 0.4 | 5.2 | 33 |
| MAU5002CS BE | 2 | 0.5 | 7/0.30 | 0.4 | 7.3 | 58 |
| MAU5004CS BE | 4 | 0.5 | 7/0.30 | 0.4 | 8.8 | 93 |
| MAU5006CS BE | 6 | 0.5 | 7/0.30 | 0.4 | 10.7 | 135 |
| MAU5008CS BE | 8 | 0.5 | 7/0.30 | 0.4 | 11.2 | 172 |
| MAU5010CS BE | 10 | 0.5 | 7/0.30 | 0.4 | 13.5 | 223 |
| MAU5012CS BE | 12 | 0.5 | 7/0.30 | 0.4 | 13.9 | 256 |
| MAU5016CS BE | 16 | 0.5 | 7/0.30 | 0.4 | 15.8 | 340 |
| MAU5020CS BE | 20 | 0.5 | 7/0.30 | 0.4 | 17.7 | 421 |
| MAU5024CS BE | 24 | 0.5 | 7/0.30 | 0.4 | 19.7 | 504 |
| MAU5036CS BE | 36 | 0.5 | 7/0.30 | 0.4 | | |
| MAU5050CS BE | 50 | 0.5 | 7/0.30 | 0.4 | | |

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