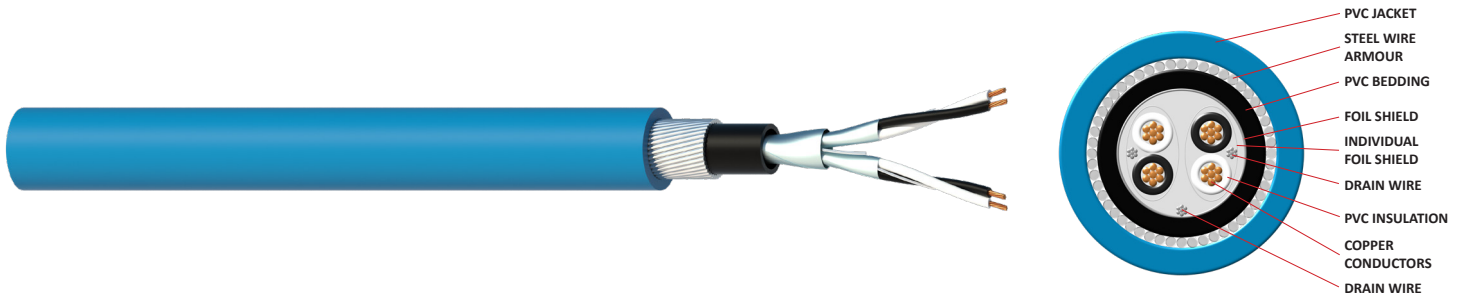


INSTRUMENTATION CABLE 0.5mm² IS&OS SWA - BLUE

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 0.5mm ² (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 (mm ²) | 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 | | | |

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