# TECHNICAL DATA SHEET

## INSTRUMENTATION CABLES – MAS SERIES

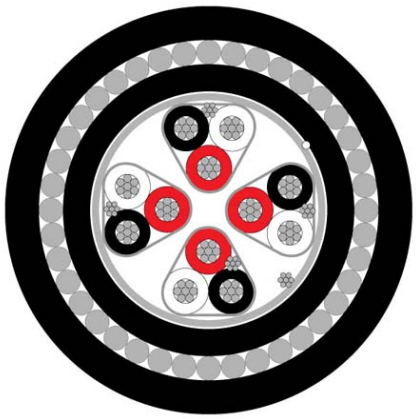
## INDIVIDUAL & OVERALL SCREEN – STEEL WIRE ARMOURED

## MAS5304ESCSSWA – 4 Triple 0.5mm² TCW ESCS SWA

**APPLICATION: Instrumentation Cable suitable for areas requiring mechanical protection.**
**Suitable for Direct Burial.**

| | |
|---|---|
| **Standards** | AS/NZS1125 , AS/NZS3808 , IEC 60332-1-2 , IEC 60332-3-22 , IEC 60079.14 , ***RoHS*** Compliant |
| **Conductor** | Stranded Tinned Copper Conductor 0.5mm (7/0.30mm) |
| **Insulation** | 0.4mm PVC ,V90HT , White/Black/Red Triad's |
| **Screen** | Individual & Overall Shield of Ali/Polyester Foil c/w Tinned Copper Drain Wire (7/0.20mm) |
| **Armour** | Galvanized Steel Wire |
| **Sheath** | SPVC , 5V-90 , Flame Retardant , UV Resistant Black PVC |
| **Operating Temp.** | -20°C to +90°C |
| **Rated Voltage** | 110VRMS/150VDC |
| **Insulation Voltage Rating** | 300V |
| **Max. Current Rating** | 3.2 Amp |
| **Max. DC Resistance @ 20°C** | 38.4 Ω/km |
| **Max. Capacitance Cond. To Cond. (Screened)** | 145 pF/m |
| **Max. Capacitance Cond. To Scr. (Screened)** | 240 pF/m |
| **Inductance @ 1kHz** | 1.00 mH/km |
| **L/R Ratio @ 1kHz** | 13.7 µH/Ω |
| **Insulation Resistance** | 140 MΩ/km |
| **Bending Radius (Fixed)** | 10D (D = Cable Diameter) |





| Product | Triads | Conductor | O.D over Bedding | GSWA Size | O.D over GSWA | Outer Sheath Thickness | Nominal Cable O.D | Cable Weight |
|---|---|---|---|---|---|---|---|---|
| **Maser Ordering Code** | **Number of Triads** | **mm²** | **mm** | **mm** | **mm** | **mm** | **mm** | **Kg/km** |
| MAS5304ESCSSWA | 4 Triad | 0.5mm | 11.0 | 0.8 | 12.6 | 1.4 | 15.4 | 456 |

**Jacket Marking**

MASER MAS5304ESCSSWA INSTRUMENTATION CABLE 4TR 0.5mm² TCW/PVC/ESCS/PVC/SWA/PVC V90 UV RoHS (MANUFACTURE DATE) (METRE MARK)

**Recommended Gland = MM-E1W-20S**

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