

## INSTRUMENTATION CABLES – MAS SERIES

### INDIVIDUAL & OVERALL SCREEN - STEEL WIRE ARMoured

### MAS5002ESCSSWA – 2 Pair 0.5mm<sup>2</sup> TCW ESCS SWA

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

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



Product	Pairs	Conductor	O.D over Bedding	GSWA Size	O.D over GSWA	Outer Sheath Thickness	Nominal Cable O.D	Cable Weight
<b>Maser Ordering Code</b>	<b>Number of Pairs</b>	<b>mm<sup>2</sup></b>	<b>mm</b>	<b>mm</b>	<b>mm</b>	<b>mm</b>	<b>mm</b>	<b>Kg/km</b>
MAS5002ESCSSWA	2 Pair	0.5mm	9.0	0.8	10.6	1.4	13.4	321

#### Jacket Marking

MASER MAS5002ESCSSWA INSTRUMENTATION CABLE 2PR 0.5mm<sup>2</sup> TCW/PVC/ESCS/PVC/SWA/PVC V-90 UV RoHS (MANUFACTURE DATE) (METRE MARK)

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

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