

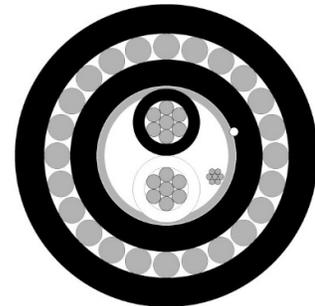
## INSTRUMENTATION CABLES – MAS SERIES

### OVERALL SCREEN - STEEL WIRE ARMoured

### MAS5102ESSWA – 1 PAIR 1.5MM TCW ES 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 1.5mm (7/0.50mm)
<b>Insulation</b>	PVC ,V90HT , White/Black Pair
<b>Screen</b>	Element Shield of Ali/Polyester Foil c/w Tinned Copper Drain Wire (7/0.20mm)
<b>Armour</b>	Galvanized Steel Wire
<b>Sheath</b>	PVC , 5V-90 , Flame Retardant , UV Resistant Black PVC <i>(Also available in Intrinsically Safe Blue)</i>
<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>	13 Amp
<b>Max. DC Resistance @ 20°C</b>	13.6 Ω/km
<b>Max. Capacitance Cond. To Cond. (Screened)</b>	200 pF/m
<b>Max. Capacitance Cond. To Scr. (Screened)</b>	300 pF/m
<b>Inductance @ 1kHz</b>	0.95 mH/km
<b>L/R Ratio @ 1kHz</b>	36.5 μH/Ω
<b>Insulation Resistance</b>	140 MΩ/km
<b>Bending Radius (Fixed)</b>	10D (D = Cable Diameter)



Product	Pairs	Conductor	Insulation Thickness	Inner Sheath Thickness	Armour Wire Diameter	Outer Sheath Thickness	Approx. Cable O.D	Approx. 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>
MAS5102ESSWA	1 Pair	1.5mm	0.40	1.0	0.8	1.4	11.4	255
MAS5102ESSWA BLUE	1 Pair	1.5mm	0.40	1.0	0.8	1.4	11.4	255

#### Jacket Marking

MASER MAS5102ESSWA INSTRUMENTATION CABLE 1PR 1.5mm<sup>2</sup> TCW/PVC/ES/PVC/SWA/PVC V-90 UV RoHS (MANUFACTURE DATE) (METRE MARK)

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