

## INSTRUMENTATION CABLES – MAS SERIES

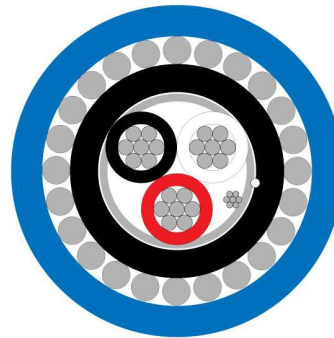
### OVERALL SCREEN - STEEL WIRE ARMoured

### INTRINSICALLY SAFE

### MAS5103ESSWA BLUE – 1 Triad 1.5mm<sup>2</sup> TCW ES SWA

**APPLICATION:** Instrumentation Cable suitable for intrinsically safe applications requiring mechanical protection.  
Suitable for Direct Burial.

Standards	AS/NZS1125 , AS/NZS3808 , IEC 60332-1-2 , IEC 60332-3-22 , IEC 60079.14 , <b>RoHS</b> Compliant
Conductor	Stranded Tinned Copper Conductor 1.5mm (7/0.50mm)
Insulation	0.4mm PVC ,V90HT , White/Black/Red Triad
Screen	Element 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 Blue PVC Intrinsically Safe
Operating Temp.	-20°C to +90°C
Rated Voltage	110VRMS/150VDC
Insulation Voltage Rating	300V
Max. Current Rating	13 Amp
Max. DC Resistance @ 20°C	13.6 Ω/km
Max. Capacitance Cond. To Cond. (Screened)	200 pF/m
Max. Capacitance Cond. To Scr. (Screened)	300 pF/m
Inductance @ 1kHz	0.95 mH/km
L/R Ratio @ 1kHz	36.5 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 Armour	Outer Sheath Thickness	Nominal Cable O.D	Cable Weight
<b>Maser Ordering Code</b>	<b>Number of Triads</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>
MAS5103ESSWA BLUE	1 Triad	1.5mm	7.4	0.8	9.0	1.4	11.8	283

#### Jacket Marking

MASER MAS5103ESSWA INSTRUMENTATION CABLE 1TR 1.5mm<sup>2</sup> TCW/PVC/ES/PVC/SWA/PVC V-90 UV RoHS (MANUFACTURE DATE) (METRE MARK)

**Recommended Gland = Please contact Maser**

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