# **TECHNICAL DATA SHEET**

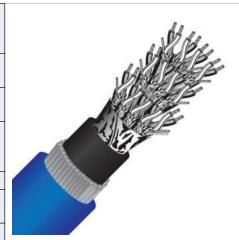


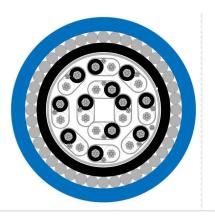
# INSTRUMENTATION CABLES – MAS SERIES INDIVIDUAL & OVERALL SCREEN - STEEL WIRE ARMOURED INTRINSICALLY SAFE

## MAS5012ESCSSWA BLUE - 12 Pair 0.5mm<sup>2</sup> TCW ESCS SWA

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

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					
	0.5mm (7/0.30mm)					
Insulation	0.4mm PVC ,V90HT ,					
	White/Black Numbered Pair'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 Blue PVC Intrinsically Safe					
Operating Temp.	-20°C to +90°C					
Max. 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	145 pF/m					
Cond. (Screened)						
Max. Capacitance Cond. To	240 pF/m					
Scr. (Screened)						
Inductance @ 1kHz	1.00 mH/km					
L/R Ratio @ 1kHz	13.7 μΗ/Ω					
Insulation Resistance	140 MΩ/km					
Bending Radius (Fixed)	10D (D = Cable Diameter)					





Product	Pairs	Conductor	O.D over Bedding	GSWA Size	O.D over Armour	Outer Sheath Thickness	Nominal Cable O.D	Cable Weight
Maser Ordering Code	Number of Pairs	mm²	mm	mm	mm	mm	mm	Kg/km
MAS5012ESCSSWA BLUE	12 Pair	0.5mm	15.3	1.25	17.8	1.7	21.2	892

### **Jacket Marking**

MASER MASSO12ESCSSWA INSTRUMENTATION CABLE 12PR 0.5mm² TCW/PVC/ESCS/PVC/SWA/PVC V-90 UV RoHS (MANUFACTURE DATE) (METRE MARK)

#### Recommended Gland = Please contact Maser

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