

INSTRUMENTATION CABLES – MAS SERIES

INDIVIDUAL & OVERALL SCREEN - STEEL WIRE ARMoured

INTRINSICALLY SAFE

MAS5012ESCSSWA BLUE – 12 Pair 0.5mm² TCW ESCS 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 , RoHS 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 Al/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 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	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 MAS5012ESCSSWA 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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