TECHNICAL DATA SHEET

INSTRUMENTATION CABLES – MAS SERIES

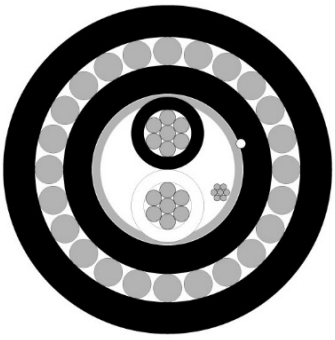
OVERALL SCREEN - STEEL WIRE ARMOURED

MAS5102ESSWA – 1 Pair 1.5mm² TCW ES SWA

APPLICATION: **Instrumentation Cable suitable for areas 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 1.5mm (7/0.50mm)
Insulation	0.4mm PVC ,V90HT , White/Black Pair
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 Black PVC
Operating Temp.	-20°C to +90°C
Max. 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	Pairs	Conductor	O.D over Bedding	GSWA Size	O.D over GSWA	Outer Sheath Thickness	Nominal Cable O.D	Cable Weight
Maser Ordering Code	Number of Pairs	mm²	mm	mm	mm	mm	mm	Kg/km
MAS5102ESSWA	1 Pair	1.5mm	7.0	0.8	8.6	1.4	11.4	255

Jacket Marking

MASER MAS5102ESSWA INSTRUMENTATION CABLE 1PR 1.5mm² TCW/PVC/ES/PVC/SWA/PVC V-90 UV RoHS (MANUFACTURE DATE) (METRE MARK)

Recommended Gland = MM-E1W-20SS

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