TECHNICAL DATA SHEET

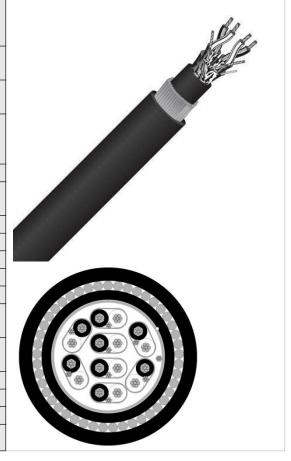


INSTRUMENTATION CABLES – MAS SERIES INDIVIDUAL & OVERALL SCREEN - STEEL WIRE ARMOURED MAS5008ESCSSWA – 8 Pair 0.5mm² TCW ESCS SWA

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				
	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 Black PVC				
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 GSWA	Outer Sheath Thickness	Nominal Cable O.D	Cable Weight
Maser Ordering Code	Number of Pairs	mm²	mm	mm	mm	mm	mm	Kg/km
MAS5008ESCSSWA	8 Pair	0.5mm	12.7	1.25	15.2	1.6	18.4	702

Jacket Marking

MASER MASSO08ESCSSWA INSTRUMENTATION CABLE 8PR 0.5mm² TCW/PVC/ESCS/PVC/SWA/PVC V-90 UV RoHS (MANUFACTURE DATE) (METRE MARK)

Recommended Gland = MM-E1W-20L

Disclaimer: Although Maser Communications NZ Limited makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice. Maser provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Maser be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Maser has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

