

## INSTRUMENTATION CABLES – MAS SERIES

### OVERALL SCREEN - INTRINSICALLY SAFE

### MAS5102ES BLUE – 1 Pair 1.5mm<sup>2</sup> TCW ES

**APPLICATION:** Instrumentation Cable suitable intrinsically safe applications.

<b>Standards</b>	AS/NZS1125 , AS/NZS3808 , IEC 60332-1-2 , IEC 60332-3-22 , IEC 60079.14 , <b>RoHS</b> Compliant
<b>Conductor</b>	Stranded Tinned Copper Conductor 1.5mm (7/0.50mm)
<b>Insulation</b>	0.4mm PVC ,V90HT , White/Black Numbered Pair
<b>Screen</b>	Element Shield of Ali/Polyester Foil c/w Tinned Copper Drain Wire (7/0.20mm)
<b>Armour</b>	Not Applicable
<b>Sheath</b>	SPVC , 5V-90 , Flame Retardant , UV Resistant Blue PVC Intrinsically Safe
<b>Operating Temp.</b>	-20°C to +90°C
<b>Max. Rated Voltage</b>	110VRMS/150VDC
<b>Insulation Voltage Rating</b>	300V
<b>Max. Current Rating</b>	13 Amp
<b>Max. DC Resistance @ 20°C</b>	13.6 Ω/km
<b>Max. Capacitance Cond. To Cond. (Screened)</b>	200 pF/m
<b>Max. Capacitance Cond. To Scr. (Screened)</b>	300 pF/m
<b>Inductance @ 1kHz</b>	0.95 mH/km
<b>L/R Ratio @ 1kHz</b>	36.5 μH/Ω
<b>Insulation Resistance</b>	140 MΩ/km
<b>Bending Radius (Fixed)</b>	10D (D = Cable Diameter)



Product	Pairs	Conductor	Insulation Thickness	Outer Sheath Thickness	Approx. Cable O.D	Approx. Cable Weight
<b>Maser Ordering Code</b>	<b>Number of Pairs</b>	<b>mm<sup>2</sup></b>	<b>mm</b>	<b>mm</b>	<b>mm</b>	<b>Kg/km</b>
MAS5102ES BLUE	1 Pair	1.5mm	0.4	0.8	6.4	57

#### Jacket Marking

MASER MAS5102ES INSTRUMENTATION CABLE 1PR 1.5mm<sup>2</sup> TCW/PVC/ES/PVC V90 UV RoHS (MANUFACTURE DATE) (METRE MARK)

**Recommended Gland = Please contact Maser**

**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.