

TECHNICAL DATA SHEET



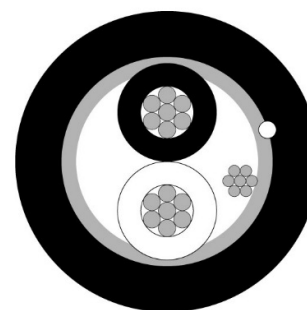
INSTRUMENTATION CABLES – MAS SERIES

OVERALL SCREEN

MAS5001CS – 1 PAIR 0.5MM TCW CS

APPLICATION: Instrumentation Cable suitable for Industrial Applications.

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	PVC , V90HT , White/Black Numbered Pair
Screen	Overall Shield of Al/Polyester Foil c/w Tinned Copper Drain Wire (7/0.20mm)
Armour	Not Applicable
Sheath	PVC , 5V-90 , Flame Retardant , UV Resistant Black PVC (Also available in Intrinsically Safe Blue)
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	Insulation Thickness	Outer Sheath Thickness	Approx Cable O.D	Approx. Cable Weight
Maser Ordering Code	Number of Pairs	mm ²	mm	mm	mm	Kg/km
MAS5001CS	1 Pair	0.5mm	0.4	0.8	5.2	33
MAS5001CS BLUE	1 Pair	0.5mm	0.4	0.8	5.2	33

Jacket Marking

MASER MAS5001CS INSTRUMENTATION CABLE 1PR 0.5mm² TCW/PVC/CS/PVC V90 UV RoHS (MANUFACTURE DATE) (METRE MARK)

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