

INSTRUMENTATION CABLES – MAS SERIES

OVERALL SCREEN

MAS5102ES/600V – 1 Pair 1.5 mm² TCW ES 600V

APPLICATION: Instrumentation Cable suitable Industrial Applications.
Suitable for running in conjunction with 0.6/1kv rated cables.

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	0.8mm PVC ,V90HT , White/Black Numbered Pair
Screen	Element Shield of Ali/Polyester Foil c/w Tinned Copper Drain Wire (7/0.20mm)
Armour	Not Applicable
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	600V
Max. Current Rating	13 Amp
Max. DC Resistance @ 20°C	13.8 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	Insulation Thickness	Outer Sheath Thickness	Approx. Cable O.D	Approx. Nett Cable Weight
Maser Ordering Code	Number of Pairs	mm ²	mm	mm	mm	Kg/km
MAS5102ES/600V	1 Pair	1.5mm	0.8	1.8	10.0	116

Jacket Marking

MASER MAS5102ES/600V INSTRUMENTATION CABLE 1PR 1.5mm² TCW/PVC/ES/PVC V90 UV 600V RoHS (MANUFACTURE DATE) (METRE MARK)

Recommended Gland = MM-A1A2-20S

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