TECHNICAL DATA SHEET

INSTRUMENTATION CABLES – MAS SERIES

INDIVIDUAL & OVERALL SCREEN - STEEL WIRE ARMOURED

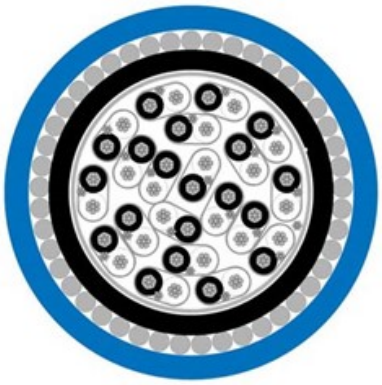
INTRINSICALLY SAFE

MAS5020ESCSSWA BLUE – 20 Pair 0.5mm² TCW ESCS SWA

APPLICATION: **Instrumentation Cable suitable for intrinsically safe applications 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 Blue PVC Intrinsically Safe
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	O.D over Bedding	GSWA Size	O.D over Armour	Outer Sheath Thickness	Nominal Cable O.D	Cable Weight
Maser Ordering Code	**Number of Pairs**	**mm²**	**mm**	**mm**	**mm**	**mm**	**mm**	**Kg/km**
MAS5020ESCSSWA BLUE	20 Pair	0.5mm	18.4	1.6	21.6	1.8	25.2	1339

Jacket Marking

MASER MAS5020ESCSSWA INSTRUMENTATION CABLE 20PR 0.5mm² TCW/PVC/ESCS/PVC/SWA/PVC V-90 UV RoHS (MANUFACTURE DATE) (METRE MARK)

Recommended Gland = Please contact Maser

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