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cables

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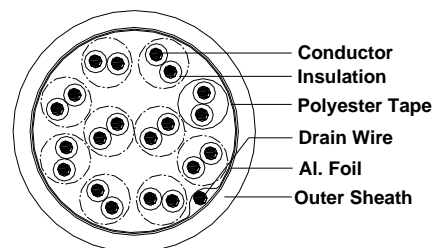
Instrumentation Cable

Part No: **MCP70510S**

Description	Stranded 16 AWG PACW, 10 Twisted Pairs, V-90HT PVC Insulated, Aluminium Polyester Tape Overall Screen, TACW 22AWG Drain Wire, 5V-90 PVC Sheath.
Applicable Standards	AS/NZS 1125 , AS/NZS 3808 , IEC60332-1
Suitable Applications	Instrument and control cable for use in industrial applications including the interconnection of signals between cabinets, consoles, sensors and display panels. Can also be used for carrying low bit rate data signals. Not suitable for direct connection to mains voltages.

Cable Construction Drawing

Cable Construction Relative Parts

- Conductor
- Insulation
- Polyester Tape
- Drain Wire
- Al. Foil
- Outer Sheath

Cable Description

Conductor	AWG	Standing	Area(mm^2)	Diameter(mm)	Material
	16	7/0.50	1.5	1.5	PACW

Insulation	Pairs : 10 Material : V-90HT PVC Colour : Black and White wires form a Pair. Pair nos. printed on each pair for identification Nominal Thickness (mm) : 0.3 Nominal OD (mm) : 2.2
Screen	Material: Al. Polyester Tape Coverage: 100%

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Drain Wire	AWG	Standing	Area(mm^2)	Diameter(mm)	Material
	22	7/0.25	0.34	0.75	TACW

Sheath	Material :	5V-90 PVC
	Colour :	Black
	Nominal Thickness (mm) : 1.1	
	Nominal OD (mm) :	16.0

Electrical Properties

Max. Conductor DC Resistance @ 20°C	13.6Ω/km
Min. Impedance @ 1KHz	280ohm
Max. Capacitance Core to Core @ 1KHz	110pF/m
Max. Inductance @ 1KHz	1.1μH/m
Max. Current Rating	13A
Suggest Voltage Rating	110a.c /150d.c

Mechanical Properties

Operating Temperature Range	-15 to 90℃
Max. Recommended Pulling Tension	1659N
Min. Bend Radius (install)	160mm
Approximate Mass	42kg/100m
Sheath Printing	GARLAND 10PAIR 1.5mm2 INSTRUMENTATION CABLE MCP70510S - MM/YYYY - "Mmark"

Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Carton	Cartons Per Pallet
320m	Wooden Reel	W65 x H51cm	1R	

- Madison reserves the right to make changes to the products described in this specification without prior notice
- All values subject to factory tolerances

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