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Industrial / Power / Data / Security / Fibre

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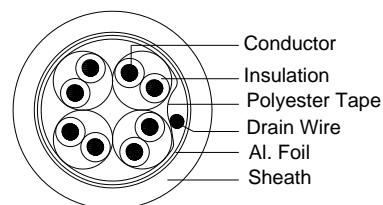
## Part No: MCP7034S

Description	Stranded 20AWG PACW, 4 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



### Cable Description

Conductor	AWG	Stranding	Area(mm <sup>2</sup> )	Diameter(mm)	Material
	20	7/0.30	0.5	0.9	PACW
Insulation	Pair :	4			
	Material :	V-90HT PVC			
	Colour :	Black & White wires form a Pair. Pair nos. printed on each pair for identification			
	Nominal Thickness (mm) :	0.3			
	Nominal OD (mm) :	1.6			
Screen	Material:	Al. Polyester Tape		Coverage:	100%

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Instrumentation Cable



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Drain Wire	AWG	Standing	Area(mm <sup>2</sup> )	Diameter(mm)	Material
	22	7/0.25	0.34	0.75	TACW
Sheath	Material : 5V-90 PVC Colour : Black Nominal Thickness (mm) : 0.9 Nominal OD (mm) : 9.0				

### Electrical Properties

Max. Conductor DC Resistance @ 20°C	38.4Ω/km
Min. Impedance @ 1KHz	380ohm
Max. Capacitance Core to Core @ 1KHz	85pF/m
Max. Inductance @ 1KHz	1.1μH/m
Max. Current Rating	3A
Suggest Voltage Rating	110a.c /150d.c
Voltage Test: Core to Core	2.0 kV ac/1min
Voltage Test: Core to Screen	500 V ac/1min

### Mechanical Properties

Operating Temperature Range	-15 to 90°C
Max. Recommended Pulling Tension	240N
Min. Bend Radius (install)	90mm
Approximate Mass	11.2kg/100m
Sheath Printing	GARLAND 4PAIR 0.5mm <sup>2</sup> INSTRUMENTATION CABLE MCP7034S - MM/YYYY - "Mmark"

### Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Carton	Cartons Per Pallet
100	Wooden Reel	W26x H21.8cm	2R	
500m	Wooden Reel	W52x H25.4cm	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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