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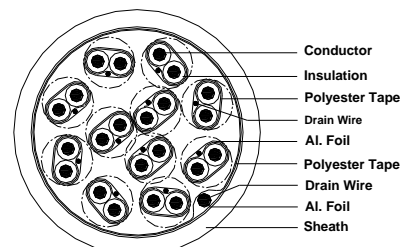
## Part No: MCP70312ISCS

Description	Stranded 20AWG PACW, 12 Twisted Pairs, V-90HT PVC Insulated, Aluminium Polyester Tape Individual & 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	Standing	Area(mm <sup>2</sup> )	Diameter(mm)	Material
	20	7/0.30	0.5	0.91	PACW
Insulation	Pairs : 12		Material : V-90HT PVC		
	Material :		Black & White wires form a Pair.		
	Colour :		Pair nos. printed on each pair for identification		
	Nominal Thickness (mm) :		0.3		
	Nominal OD (mm) :		1.6		
Pair Screen	Material: Al. Polyester Tape		Coverage: 100%		
Overall 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	0.76	TACW
Sheath	Material : 5V-90 PVC Colour : Black Nominal Thickness (mm) : 1.0 Nominal OD (mm) : 13.8				

### Electrical Properties

Max. Conductor DC Resistance @ 20°C	38.4Ω/km
Mon. Impedance @ 1KHz	280ohm
Max. Capacitance Core to Core @ 1KHz	145pF/m
Max. Inductance @ 1KHz	1.1μH/m
Max. Current Rating	3A
Suggest Voltage Rating	110a.c/150d.c

### Mechanical Properties

Operating Temperature Range	-15 to 90°C
Max. Recommended Pulling Tension	720N
Min. Bend Radius (install)	138mm
Approximate Mass	29.5kg/100m
Sheath Printing	GARLAND 12PAIR 0.5mm <sup>2</sup> INSTRUMENTATION CABLE MCP70312ISCS - MM/YYYY - "Mmark"

### Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Carton	Cartons Per Pallet
500	Wooden Reel	W70x H46cm	1R	
1000m	Wooden Reel	W90 x H60cm	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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