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cables

pro series

Industrial / Power / Data / Security / Fibre

Garland's Pro Series range is the experts' choice for high quality cables.

Instrumentation Cable

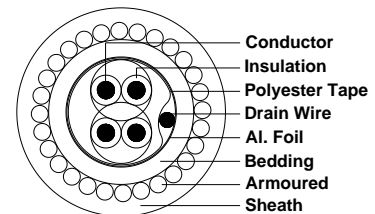
Part No: MCP7052SSWA

Description	Stranded 16 AWG PACW, 2 Twisted Pairs, V-90 PVC Insulated, Aluminium Polyester Tape Overall Screen, TACW 22AWG Drain Wire, 5V-90 PVC Bedding, SWA & 5V-90 PVC Sheath.
Applicable Standards	AS/NZS 1125, AS/NZS 3808
Suitable Applications	Instrument and control cable for use in industrial applications including the interconnection of signals between cabinets, consoles, sensors and display panels. Armouring provides additional protection for high risk areas. Can also be used for carrying low bit rate data signals. Not intended for direct connection to mains power.

Cable Construction Drawing



Cable Construction Relative Parts



Cable Description					
Conductor	AWG	Area(mm ²)	Stranding	Diameter(mm)	Material
	16	1.5	7/0.5	1.5	PACW
Insulation	Pairs :	2			
	Material :	V-90 PVC			
	Colour :	Black & white wires form a pair. A number is printed on each pair for identification.			
	Nominal Thickness (mm) :	0.32			
	Nominal OD (mm) :	2.2			

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Drain Wire	AWG	Area(mm ²)	Stranding	Diameter(mm)	Material
	22	0.343	7/0.25	0.75	TACW
Screen	Material : Al. Polyester Tape		Coverage : 100%		
Bedding	Material :		5V-90 PVC		
	Colour :		Black		
	Nominal Thickness (mm) :		0.8		
	Nominal OD (mm) :		9.0		
Armoured	Material : 0.9mm SWA		Coverage : >90%		
Sheath	Material :		5V-90 PVC		
	Colour :		Black		
	Nominal Thickness (mm) :		1.2		
	Nominal OD (mm) :		13.2		

Electrical Properties

Max. Conductor DC Resistance @ 20°C	13.6Ω/km
Suggest Voltage Rating	110a.c/150d.c

Mechanical Properties

Operating Temperature Range	-15 to 90°C
Max. Recommended Pulling Tension	412N
Min. Bend Radius (install)	158mm
Approximate Mass	36.0kg/100m

Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Carton	Cartons Per Pallet
500m	Wooden Reel	W70 x H46cm	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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