pro series

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

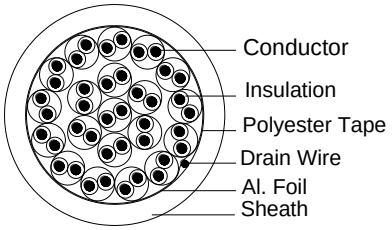
Instrumentation Cable

# Part No: MCP70320S

| | |
|---|---|
| Description | Stranded 20AWG PACW, 20 Twisted Pairs, V-90HT PVC Insulated, Aluminium Polyester 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.<br>Can also be used for carrying low bit rate data signals.<br><br>Not suitable for direct connection to mains voltages. |

**Cable Construction Drawing**


**Cable Construction Relative Parts**




## Cable Description

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

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| | 22 | 7/0.25 | 0.34 | 0.75 | TACW |
|---|---|---|---|---|---|
| Sheath | Material : 5V-90 PVC<br>Colour : Black<br>Nominal Thickness (mm) : 1.1<br>Nominal OD (mm) : 16.5 | | | | |

## Electrical Properties

| | |
|---|---|
| Max. Conductor DC Resistance @ 20°C | 38.4Ω/km |
| Mon. 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 |

## Mechanical Properties

| | |
|---|---|
| Operating Temperature Range | -15 to 90℃ |
| Max. Recommended Pulling Tension | 1200N |
| Min. Bend Radius (install) | 165mm |
| Approximate Mass | 33.6kg/100m |
| Sheath Printing | GARLAND 20PAIR 0.5mm2 INSTRUMENTATION CABLE<br>MCP70320S - MM/YYYY - "Mmark" |

## Supply Information

| Pack Size | Pack Type | Dimensions | Qty Per Carton | Cartons Per Pallet |
|---|---|---|---|---|
| 1000m | Wooden Reel | W100 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