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cables

pro series

Industrial / Power / Data / Security / Fibre

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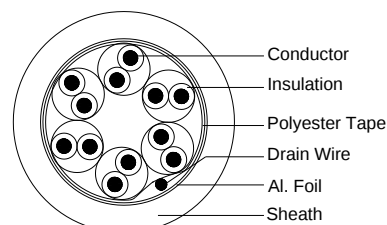
## Part No: MCP7036S

|                                                       |                                                                                                                                                                                                                              |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                                           | Stranded 20AWG PACW, 6 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.<br>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                                                                                                                                                                                           | 7/0.3     | 0.5                    | 0.9          | PACW     |
| Insulation | Pair : 6<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%         |              |          |

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|            |                                                                                                |           |                        |              |          |
|------------|------------------------------------------------------------------------------------------------|-----------|------------------------|--------------|----------|
| Drain Wire | AWG                                                                                            | Stranding | Area(mm <sup>2</sup> ) | Diameter(mm) | Material |
|            | 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) : 11 |           |                        |              |          |

### 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 |

### Mechanical Properties

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| Operating Temperature Range      | -15 to 90°C                                                                            |
| Max. Recommended Pulling Tension | 360N                                                                                   |
| Min. Bend Radius (install)       | 110mm                                                                                  |
| Approximate Mass                 | 15.8kg/100m                                                                            |
| Sheath Printing                  | GARLAND 6PAIR 0.5mm <sup>2</sup> INSTRUMENTATION CABLE<br>MCP7036S - MM/YYYY - "Mmark" |

### Supply Information

|           |             |               |                |                    |
|-----------|-------------|---------------|----------------|--------------------|
| Pack Size | Pack Type   | Dimensions    | Qty Per Carton | Cartons Per Pallet |
| 100       | Wooden Reel | W33 x H21.8cm | 2R             |                    |
| 500m      | Wooden Reel | W56 x H39.4cm | 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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