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cables

pro series

Industrial / Power / Data / Security / Fibre

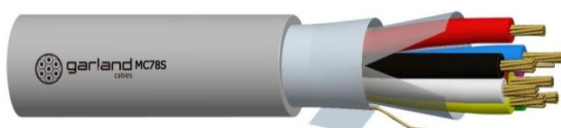
Garland's Pro Series range is the experts' choice for high quality cables.

Data Cable

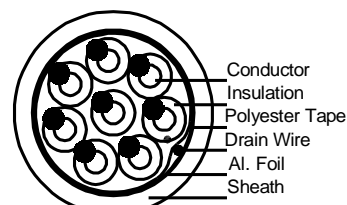
## Part No: MC78S

|                       |   |
|-----------------------|---|
| Description           | Stranded 24AWG (7/0.2mm) TACW, 8Cores, PVC Insulation, Aluminium Polyester Tape Overall Screen, 24AWG (7/0.2mm) TACW Drain Wire, PVC Sheath.  |
| Applicable Standards  | AS/CA S-008, EIA-RS232, AS 1049   |
| Suitable Applications | <p>For use in the communications, industrial and security sectors, This product can be used to interconnect DTE equipment such as Printers, fax's, modems, and consoles.</p> <p>In the industrial environment, this product can be used to connect instruments and sensors to data loggers, PLC's and other control equipment.</p> <p>In the security market, this product can be used to connect motion sensors, entry sensors, card readers and door strikes to monitoring units.</p> <p>Not suitable for direct connection to mains equipment.</p> |

### Cable Construction Drawing



### Cable Construction Relative Parts



### Cable Description

| Conductor  | AWG                      | Standing | Area(mm <sup>2</sup> )                                | Diameter(mm) | Material |
|------------|--------------------------|----------|---|--------------|----------|
|            | 24                       | 7/0.2mm  | 0.22  | 0.6          | TACW     |
| Insulation | Cores : 8                |          | Material : PVC  |              |          |
|            | Colour :                 |          | Yellow, Red, Black, White, Brown, Green, Violet, Blue |              |          |
|            | Nominal Thickness (mm) : |          | 0.28  |              |          |
|            | Nominal OD (mm) :        |          | 1.2   |              |          |

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|            |  |          |                        |                 |          |
|------------|--|----------|------------------------|-----------------|----------|
| Screen     | Material : Al. Polyester Tape  |          |                        | Coverage : 100% |          |
| Drain Wire | AWG  | Standing | Area(mm <sup>2</sup> ) | Diameter(mm)    | Material |
|            | 24   | 7/0.2mm  | 0.22                   | 0.6             | TACW     |
| Sheath     | Material : PVC<br>Colour : Grey(RAL 7046)<br>Nominal Thickness (mm) : 0.7<br>Nominal OD (mm) : 5.9 |          |                        |                 |          |


### Electrical Properties

|                                     |                |
|-------------------------------------|----------------|
| Voltage Rating                      | ELV            |
| Max. Conductor DC Resistance @ 20°C | 93.3Ω/km       |
| Min. Insulation Resistance @ 20°C   | 50MΩ.km        |
| Voltage Test: Conductor to core     | 1.5 kV ac/1min |
| Voltage Test: Core to sheath        | 3.0 kV ac/1min |
| Voltage Test: Shield to sheath      | 3.0 kV ac/1min |

### Mechanical Properties

|                                  |             |
|----------------------------------|-------------|
| Operating Temperature Range      | -15 to 70°C |
| Max. Recommended Pulling Tension | 123N        |
| Min. Bend Radius (install)       | 59mm        |
| Approximate Mass                 | 5.2kg/100m  |

Sheath Printing

 GARLAND DATA CABLE MC78S - AWM 2464 80°C  
300V 8 X 7/0.2 24AWG OAS - MM/YYYY - "Mmark"

### Supply Information

| Pack Size | Pack Type    | Dimensions          | Qty Per Carton | Cartons Per Pallet |
|-----------|--------------|---------------------|----------------|--------------------|
| 100m      | Plastic Reel | 10 x 4.5 x 4.5"     | 4R             |                    |
| 300m      | Reel Box     | 15.5 x 15.5 x 7.75" | 1Box           |                    |
| 500M      | Wooden Reel  | W36 x H21.8         | 1R             |                    |

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|                        |       |            |             |             |
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| Change History         | Issue | Change     |             |             |
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