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cables

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Industrial / Power / Data / Security / Fibre

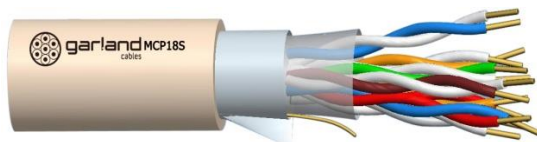
Garland's Pro Series range is the experts' choice for high quality cables.

Data Cable

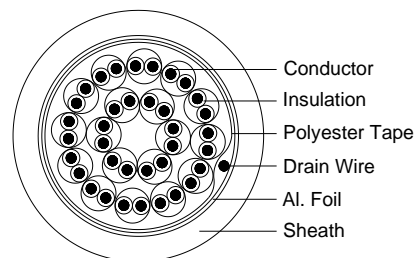
Part No: MCP18S

| | |
|-----------------------|--|
| Description | Stranded 24AWG (7/0.2mm) TACW, 18 Twisted Pairs, PP Insulated, Aluminium Polyester Tape Overall Screen, 24AWG (78/0.2mm) TACW Drain Wire, PVC Sheath. |
| Applicable Standards | AS/CA S-008, UL758, EIA-RS422, AS 1049 |
| Suitable Applications | Used as a data and communications cable operating on RS-422 or similar transmission systems. Can be used to inter-connect DTE equipment such as modems, printers, and fax's operating up to 10 MB. Commonly used with a 9 Pin DE-9 connector. Can also be used in digital security systems to connect door strikes, motion sensors, IR sensors, keypads and alarm modules. |

Cable Construction Drawing



Cable Construction Relative Parts



Cable Description

| Conductor | AWG | Standing | Area(mm ²) | Diameter(mm) | Material |
|------------|-------------------------------|----------|--------------------------|--------------|----------|
| | 24 | 7/0.20 | 0.22 | 0.60 | TACW |
| Insulation | Pairs : 18 | | Material : Polypropylene | | |
| | Nominal Thickness (mm) : 0.28 | | Nominal OD (mm) : 1.2 | | |
| Screen | Material : Al. Polyester Tape | | Coverage : 100% | | |

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| | | | | | |
|------------|--|----------|------------------------|--------------|----------|
| Drain Wire | AWG | Standing | Area(mm ²) | Diameter(mm) | Material |
| | 24 | 7/0.20 | 0.22 | 0.60 | TACW |
| Sheath | Material : PVC Colour : Apricot(Pantone 4745) Nominal Thickness (mm) : 0.9 Nominal OD (mm) : 11.5 | | | | |

Electrical Properties

| | |
|-------------------------------------|----------------|
| Voltage Rating | ELV |
| Max. Conductor DC Resistance @ 20°C | 95.3Ω/km |
| Min. Insulation Resistance @ 20°C | 1,000MΩ.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 | 554N |
| Min. Bend Radius (install) | 115mm |
| Approximate Mass | 14.93kg/100m |

Sheath Printing  GARLAND DATA CABLE MCP18S - AWM 2919 80°C
18pr x 7/0.20 24AWG OAS - MM/YYYY - "Mmark"

Supply Information

| Pack Size | Pack Type | Dimensions | Qty Per Carton | Cartons Per Pallet |
|-----------|-------------|---------------|----------------|--------------------|
| 100m | Wooden Reel | W36x H21.8cm | 1R | |
| 500m | Wooden Reel | W58 x H39.4cm | 1R | |

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|------------------------|-------|------------|-------------|-------------|
| Document Change Record | Issue | Date | Prepared by | Approved By |
| | 01 | 30-11-2012 | LLS | Pent |
| Change History | Issue | Change | | |
| | | | | |

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