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# Security Cable

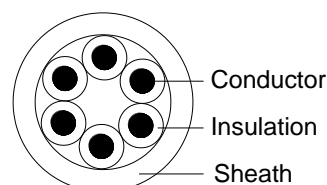
## Part No: MC146GY

|                       |  |
|-----------------------|--|
| Description           | Stranded 21 AWG (7/0.2mm) PACW, 6Cores, PVC Insulation, PVC Sheath.  |
| Applicable Standards  | AS/CA S-008, BS4737-3.30, AS 1049  |
| Suitable Applications | For inter-connecting wiring, suitable for use in Security/Intruded Alarm system; Use in low voltage/low current applications such as intercommunication.<br><br>Not suitable for mains connection. |

### Cable Construction Drawing



### Cable Construction Relative Parts



| Cable Description |                          |  |                        |              |          |
|-------------------|--------------------------|--|------------------------|--------------|----------|
| Conductor         | AWG                      | Stranding                              | Area(mm <sup>2</sup> ) | Diameter(mm) | Material |
|                   | 21                       | 14/0.2                                 | 0.44                   | 0.87         | PACW     |
| Insulation        | Cores :                  | 6                                      |                        |              |          |
|                   | Material :               | PVC                                    |                        |              |          |
|                   | Colour :                 | White, Blue, Red, Black, Yellow, Green |                        |              |          |
|                   | Nominal Thickness (mm) : | 0.3                                    |                        |              |          |
|                   | Nominal OD (mm) :        | 1.5                                    |                        |              |          |
| Sheath            | Material :               | PVC                                    |                        |              |          |
|                   | Colour :                 | Grey (RAL 7046)                        |                        |              |          |
|                   | Nominal Thickness (mm) : | 0.65                                   |                        |              |          |
|                   | Nominal OD (mm) :        | 6.1                                    |                        |              |          |

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### Electrical Properties

|                                     |                |
|-------------------------------------|----------------|
| Voltage Rating                      | ELV            |
| Max. Conductor DC Resistance @ 20°C | 45.2Ω/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 |

### Mechanical Properties

|                                  |             |
|----------------------------------|-------------|
| Operating Temperature Range      | -15 to 70°C |
| Max. Recommended Pulling Tension | 166N        |
| Min. Bend Radius (install)       | 61mm        |
| Approximate Mass                 | 5.47kg/100m |

Sheath Printing

 GARLAND SECURITY CABLE MC146 - 6 x 14/0.2  
22AWG - 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             |                    |

| Document Change Record | Issue | Date       | Prepared by | Approved By |
|------------------------|-------|------------|-------------|-------------|
|                        | 01    | 24-11-2012 | LLS         | Pent        |
| Change History         | Issue | Change     |             |             |
|                        |       |            |             |             |

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