



garland  
cables

pro series

Industrial / Power / Data / Security / Fibre

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

## Part No: CC213

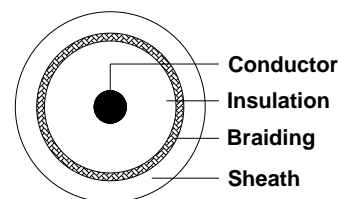
|                       |   |
|-----------------------|---|
| Description           | Stranded PACW 13AWG, Solid Dielectric, 91% PACW Braiding, PVC Sheath. |
| Applicable Standards  | UL 758  |
| Suitable Applications | For signal control & communication system.                            |

Coaxial Cable

### Cable Construction Drawing



### Cable Construction Relative Parts



### Cable Description

| Conductor  | AWG  | Stranding | Area(mm <sup>2</sup> ) | Diameter(mm) | Material |
|------------|--|-----------|------------------------|--------------|----------|
|            | 13   | 7/0.7     | 2.7                    | 2.14         | PACW     |
| Insulation | Material : Solid PE<br>Nominal Thickness (mm) : 2.5<br>Nominal OD (mm) : 7.3                           |           |                        |              |          |
| Braiding   | Material : PACW  |           | Coverage : 91%         |              |          |
| Sheath     | Material : PVC<br>Colour : Black (RAL 9004)<br>Nominal Thickness (mm) : 1.15<br>Nominal OD (mm) : 10.3 |           |                        |              |          |

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### Physical Characteristics

|                                  |        |
|----------------------------------|--------|
| Insulation :                     |        |
| Elongation at Break Before Aging | >300%  |
| Sheath :                         |        |
| Elongation at Break Before Aging | >100%  |
| Tensile Strength Before Aging    | >12MPa |

### Electrical Properties

|  |               |
|--|---------------|
| Max. Conductor DC Resistance @ 20°C      | 6.5Ω/km       |
| Max. Outer Shield DC Resistance @ 20°C   | 4.93Ω/km      |
| Nom. Capac. Conductor. to Shield @ 1 KHz | 101±2pF/m     |
| Characteristic Impedance                 | 50±3Ω         |
| Min. Insulation resistance               | 1,000 MΩ.km   |
| Voltage Test: Conductor to shield        | 500V/1min     |
| Voltage Test: Core to sheath             | 3.0kV ac/1min |
| Voltage Test: Shield to sheath           | 3.0kV ac/1min |

|                             |       |     |     |     |     |     |      |      |      |      |
|-----------------------------|-------|-----|-----|-----|-----|-----|------|------|------|------|
| Max. Attenuation (dB /100m) | (MHz) | 1   | 10  | 50  | 100 | 200 | 400  | 700  | 900  | 1000 |
|                             | (dB)  | 0.6 | 1.8 | 4.3 | 6.2 | 8.9 | 13.5 | 21.3 | 24.9 | 26.2 |

### Mechanical Properties

|                                  |   |
|----------------------------------|---|
| Operating Temperature Range      | -15 to 70°C   |
| Max. Recommended Pulling Tension | 188N  |
| Min. Bend Radius (install)       | 103mm   |
| Approximate Mass                 | 15.6kg/100m   |
| Sheath Printing                  | GARLAND - RG213/U 50 OHM AWM STYLE 1354 (meter marking) |

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### Supply Information

| Pack Size | Pack Type   | Dimensions   | Qty Per Carton | Cartons Per Pallet |
|-----------|-------------|--------------|----------------|--------------------|
| 100m      | Wooden Reel | W33 x 21.8cm | 1R             |                    |
| 500m      | Wooden Reel | W54x 39.4cm  | 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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