

## Features

- TV & Satellite Cable
- Suitable for High-bandwidth applications.
- Rated Temperature  
-35°C - +50°C

## RS PRO Coaxial Cable

RS Stock No.: 0843211



RS Professionally Approved Products bring to you, professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

RG-6 cables are built with specific features to handle high-bandwidth applications and minimize signal loss. RG-6 is suitable for applications operating at frequencies above 50 MHz, including Cable and Satellite Television, Broadband Internet and High-Definition Television signal distribution.

## General Specifications

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| Brand                   | RS PRO                                          |
| Product Type            | Coaxial Cable                                   |
| Conductor               | Copper Clad Steel                               |
| Conductor Nominal O.D   | 1.00 ± 0.01mm                                   |
| Dielectric              | Foam PE (Polyethylene)                          |
| Dielectric Nominal O.D  | 4.6 ± 0.01mm                                    |
| Dielectric Design       | Concentrically & Bonded to the Centre Conductor |
| Shielding               | Al Foil                                         |
| Shielding Size          | Foil Width: 18mm                                |
| Braiding                | Aluminium Wire                                  |
| Braiding Nominal O.D    | 16x3x0.12 (0.12 ± 0.01mm)                       |
| Braiding Coverage       | 40%                                             |
| Sheath                  | PVC (Polyvinyl Chloride)                        |
| Sheath Size             | Thickness: 0.7 ± 0.01mm                         |
| Sheath Colour           | Black                                           |
| Sheath Nominal Diameter | 6.5 ± 0.1mm                                     |
| Length                  | 25m                                             |

## Electrical Specifications

|                         |                                                        |
|-------------------------|--------------------------------------------------------|
| Rated Temperature       | Minimum Temperature -35°C<br>Maximum Temperature +50°C |
| Impedance               | 75 ± 3 Ω                                               |
| Return Loss             | 5MHZ~1000MHZ≥20dB 100mhz~3000MHZ≥18dB                  |
| Velocity of Propagation | ≥82%                                                   |
| Nominal Capacitance     | ≤50 pf/m                                               |

**Mechanical Specifications**

|                                |        |
|--------------------------------|--------|
| <b>Tensile Strength</b>        | ≥12Mpa |
| <b>Dielectric Eccentricity</b> | ≤10%   |
| <b>Jacket eccentricity</b>     | ≤10%   |

**Frequency**

|                 |               |
|-----------------|---------------|
| <b>5MHZ</b>     | ≤8dB /100m    |
| <b>55MHZ</b>    | ≤10dB /100m   |
| <b>211MHZ</b>   | ≤11.5dB /100m |
| <b>300MHZ</b>   | ≤12.5dB /100m |
| <b>450 MHZ</b>  | ≤13.8dB /100m |
| <b>550 MHZ</b>  | ≤15.6dB /100m |
| <b>870 MHZ</b>  | ≤19.8dB /100m |
| <b>1000 MHZ</b> | ≤21.4dB /100m |

**Approvals**

|                                        |     |
|----------------------------------------|-----|
| <b>Fire Performance Classification</b> | Eca |
|----------------------------------------|-----|

**Similar Products**

| <b>Stock No.</b> | <b>Brand</b> | <b>Product Name</b> | <b>Length</b> | <b>Colour</b> |
|------------------|--------------|---------------------|---------------|---------------|
| 0843211          | RS PRO       |                     | 100m          | Black         |
| 843212           | RS PRO       |                     | 100m          | White         |
| 843213           | RS PRO       |                     | 100m          | Black         |
| 843214           | RS PRO       |                     | 100m          | White         |
| 843215           | RS PRO       |                     | 100m          | Black         |
| 0843216          | RS PRO       |                     | 100m          | White         |