

Features

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

RS PRO Family Name

RS Stock No.: 843215



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	250m

Electrical Specifications

Rated Temperature	Minimum Temperature -35°C 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

Tensile Strength	$\geq 12\text{Mpa}$
Dielectric Eccentricity	$\leq 10\%$
Jacket eccentricity	$\leq 10\%$

Frequency

5 MHZ	$\leq 8\text{dB} / 100\text{m}$
55 MHZ	$\leq 10\text{dB} / 100\text{m}$
211 MHZ	$\leq 11.5\text{dB} / 100\text{m}$
300 MHZ	$\leq 12.5\text{dB} / 100\text{m}$
450 MHZ	$\leq 13.8\text{dB} / 100\text{m}$
550 MHZ	$\leq 15.6\text{dB} / 100\text{m}$
870 MHZ	$\leq 19.8\text{dB} / 100\text{m}$
1000 MHZ	$\leq 21.4\text{dB} / 100\text{m}$

Approvals

Fire Performance Classification	Eca
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Similar Products

Stock No.	Brand	Product Name	Length	Colour
843211	RS PRO		100m	Black
843212	RS PRO		100m	White
843213	RS PRO		100m	Black
843214	RS PRO		100m	White
843215	RS PRO		100m	Black
843216	RS PRO		100m	White

Connection Diagrams / Assembly Diagrams / Illustrations / Accessories