



Electrical Characteristics

Capacitance	: 96.5 pF/m
Impedance	: 50Ω ±2
Velocity of Propagation	: 69.5%
Max Operating Frequency	: 12.4 GHz
Max Operating Voltage	: 1,900 RMS
Corona Extinction Voltage	: 1,900V _{RMS}
Voltage Withstand (V _{RMS})	: 5,000V _{RMS}
Spark Test	: 2,000V _{RMS} , Min.
Operating Temperature	: -55°C to 200°C

Construction

Item	Material	Diameter inch (mm)
Inner Conductor	Silver Plated Copper	0.037 ±0.001 (0.94 ±0.0254)
Dielectric	PTFE	0.116 ±0.005 (2.95 ±0.127)
First Shield	95% Silver Plated Copper Braid	0.142 ±0.005 (3.6 ±0.127)
Second Shield	93% Silver Plated Copper Braid	0.169 ±0.005 (4.3 ±0.127)
Jacket	Brown FEP	0.195 ±0.005 (4.95 ±0.127)
Conductor Area CSA	-	0.694mm ²

Attenuation (at 20°C)

Frequency (MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
50	3	9.8
100	4.4	14.4
400	9.3	30.5
800	13.3	43.5
900	14.3	47
1000	15.3	50.2
3000	29.3	96.1

Part Number Table

Description	Part Number
Cable, Coax, RG142,100m	RG142

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-POWER is the registered trademark of the Group. © Premier Farnell plc 2012.