

Connectors Cables Specialists Ltd

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RG 316U Cable



Mechanical Characteristics

Construction:

Inner Conductor:	7/0.17mm Silver Plated Copper 0.51mm (Nominal)
Dielectric:	PTFE Insulation
Screen:	Silver-Plated Copper Braid Coverage >92%
Sheath:	FEP
Insulation Diameter:	1.52mm (Natural)
Sheath Diameter:	2.50mm (Nominal)
Rated Temperature:	-55°C to +200°C
Minimum Installation Temperature:	-5°C

*Cable image and colours are for illustration purposes only and may vary.

Application

50 Ohm coaxial cable suitable for use on high frequency connections operating at high temperature.

Description

RG316 Coax Cable (Version U) consists of seven strands of 0.17mm silver plated copper clad steel wire conductor, polytetrafluoroethylene (PTFE) dielectric and silver plated copper wire braid. Sheathed overall in fluorinated ethylene propylene (FEP).

Electrical Characteristics

DC Resistance Inner Conductor @ 20°C:	$\leq 275 \Omega/\text{km}$
Characteristic Impedance:	$50 \pm 3 \Omega$
Capacitance:	105pF/m (nominal)
Velocity Ratio:	0.695
Attenuation (dB/m @ 20°C (+/-10%)):	

50Mhz	<7.5
100MHz	<11.0
400MHz	<21.0
1000MHz	<58.0

Specifications

CPR Class: F