

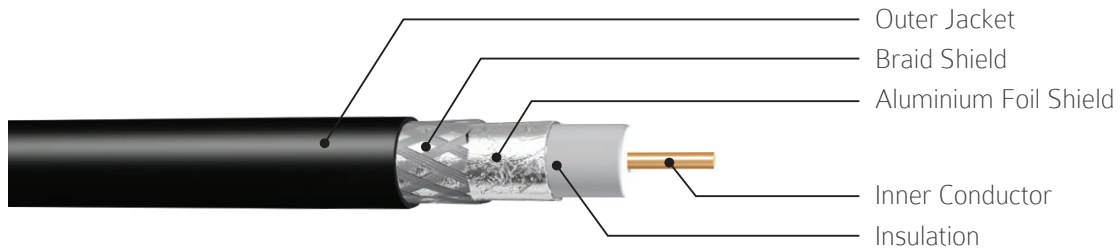


Coaxial Cable

RG1116 14AWG 75ohm Coax

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Cross Section



Description

RG1116 14AWG 75Ohm Coaxial Cable

- 14AWG stranding 1.63mm solid bare copper conductor
- Gas-injected foam polyethylene insulation
- 100% Aluminium foil & 60% copper braid shield
- PVC jacket.

Applications

- Uses for high frequency MATV or HD video signal applications

Mechanical Characteristics (Overall)

Operating Temperature Range	-40°C ~ +80°C
Non-UL Temperature Rating	80°C
Bulk Cable Weight	60kg/km
Max. Recommended Pulling Tension	1200N
Min. Bend Radius/Minor Axis	115mm
Plenum (Y/N)	N

Physical Characteristics (Overall)

Inner Conductor	Bare Copper Covered Steel
AWG	14
Conductor Diameter	1.63mm
Stranding	Solid
Insulation	Gas-injected FPE
Insulation Diameter	7.11mm
Outer Shield	Tape/ Braid Copper
Coverage	60%
	Aluminium Foil
Coverage	100%
Outer Jacket	PVC - Polyvinyl Chloride
Outer Jacket Thickness	1.0mm
Overall Cable	
Overall Nominal Diameter	10.0mm

Electrical Characteristics (Overall)

Nom. Characteristics Impedance	75+/- 3 Ohms
Nom. Capacitance Conductor to Shield	53.1 pF/m
Nom. Velocity of Propagation	83%
Nom. Delay	4.065 ns/m
Nom. Conductor DC Resistance @ 20 Deg.C	36.1 Ohms/km
Nom. Outer Shield DC Resistance @ 20 Deg.C	25.2 Ohms/km
Min. Structural Return Loss (5~950 MHz)	21 dB
Min. Structural Return Loss (950~3000 MHz)	18 dB
Max. Attenuation:	

Frequency	Max. Attenuation	Frequency	Max. Attenuation
(MHz)	(dB/100m)	(MHz)	(dB/100m)
5	1.25	650	10.43
55	3.15	750	11.97
211	6.23	870	13.31
250	6.72	1000	14.27
270	7.00	1300	16.21
300	7.38	1450	17.36
330	7.71	1750	19.52
350	7.94	2150	21.65
400	8.53	2600	24.04
450	9.02	2830	25.09
500	9.51	3000	25.86
550	9.97	-	-