



Chinmore Industry Co., Ltd.

RG174DS(RG174 LOW LOSS) Cable Specification

Technical data of product		
Style / Size	(L.F) LOW LOSS COAXIAL CABLE / RG174U/DS SC AL PVC	
STANDARD		
CONDUCTOR	SIZE	RG174U/DS
	COND. Material	Silvered Copper Wire
	Conductor	7/0.17±0.006 mm
Insulation	MIN. AVG. Thick	0.47 mm
	MIN. Thick	0.42 mm
	Diameter	1.50±0.05 mm
	Material	PP
	Color	Nature
Braid	Material	Tin copper +AL
	Construction (mm)	16x4/0.100
	Coverage (%)	100
Jacketed	MIN. AVG. Thick	0.34 mm
	MIN. Thick	0.30 mm
	Diameter	2.75±0.10 mm
	Material	(L.F) PVC 10PPM ↓
	Color	Black
ELECTRICAL & PHYSICAL PROPERTIES		
Item	RG174U/DS SC AL PVC	
Rating temp voltage	30V	
Conductor Resistance	109. Ω /KM	
Dielectric Strength	1 KV/MIN	
INSU .Resistance	AC100 MEGA OHM/KM MIN.	
Spark Test	2KV	
Insulation	Tensile strength	2.05Kg/mm ² MIN.
	Elongation	15 % MIN.
Jacketed	Tensile strength	1.05Kg/mm ² MIN.
	Elongation	90 % MIN.
Capacitance	100.8±5 pf/M	
Impedance	50±3 ohm	
Temperature Range Operating	-40°C ~+105°C	
Temperature Range Installation	-20°C ~+80°C	

Attenuation of cable

Frequency (MHz)	Attenuation(dB/1M)
600	-0.60
900	-0.74
1575	-1.03
1800	-1.19
2000	-1.18
2100	-1.25
2400	-1.50
2700	-1.53
3000	-1.88

V.S.W.R.

Frequency (MHz)	Attenuation(1M)
600	1.09
900	1.13
1575	1.10
1800	1.32
2000	1.32
2100	1.38
2400	1.51
2700	1.36
3000	1.57

Return Loss

Frequency (MHz)	Attenuation(dB/1M)
600	-0.51
900	-0.61
1575	-0.79
1800	-0.95
2000	-0.97
2100	-1.05
2400	-1.13
2700	-1.25
3000	-1.38

