

## RF195

### PRODUCT DESCRIPTION



- The high-performance of attenuation allows coaxial cable to be used in different RF systems, such as 3G, 4G mobile communication.
- Wide range of applications, such as indoor distribution, broadcast, different base stations, wireless cellular, and others.
- Lower VSWR and perfect shielding effectiveness lead to fewer energy loss and outer interference.

### CONSTRUCTION

Inner conductor	Copper wire	$\Phi 0.94 \pm 0.02\text{mm}$
Insulation	Physically foamed PE	$\Phi 2.79 \pm 0.15\text{mm}$
1st Outer conductor	Bonded aluminum laminated tape	
2nd Outer conductor	Tinned copper wire braid	$16 \times 7 / \Phi 0.12\text{mm}$
	Coverage: 90%	
Jacket	Black PVC	$\Phi 4.95 \pm 0.15\text{mm}$

### MECHANICAL PROPERTIES

Cable length	m	305/500/1000
Min. bending radius	mm	25
Pulling strength	N	182
Adhesion Force	N	>18

### ELECTRICAL PROPERTIES

Impedance	$\Omega$	$50 \pm 2$
Capacitance	pF/m	83
Propagation velocity	%	80
Jacket spark test, RMS	kV	2.5
DC breakdown voltage	kV	1.0
Insulation resistance	$M\Omega \cdot \text{km}$	>5000

## RF195

### ATTENUATION

Frequency MHz	Attenuation @20°C,dB/100m	Attenuation @20°C,dB/100ft
30	6.50	1.98
50	8.40	2.56
150	14.60	4.45
220	17.70	5.40
450	25.50	7.77
900	36.50	11.13
1500	47.70	14.54
1800	52.50	16.01
2000	55.40	16.89
2500	62.40	19.02
5800	98.10	29.90

Attenuation values may be with a tolerance of 5%.

### STRUCTURE RETURN LOSS

5~1000MHz	dB	>23
1000~2000MHz	dB	>21
2000~3000MHz	dB	>18

### STANDARDS

2011/65/EU & Annex II (EU)2015/863	Compliant
------------------------------------	-----------