

Technical specification/ Data sheet

Coaxial cable: Y1116-96 305BS

Features	
Coax Type:	Y1116-96 305BS
Packaging:	305M/Spool, 1 spool/carton

Materials		
1. Conductor	Nominal O.D.:	1.63±0.01mm
	Material:	CCS
2. Adhesive	Material:	EAA
3. Dielectric	Nominal O.D.:	7.1±0.1mm
	Material:	GAS INJECTED FOAM PE
4. Foil Shield	Coverage:	100%
	Material:	AL FOIL(unbond to the dielectric)
5. Braid Shield	Wire Count:	6*16, 0.16±0.005mm
	Material:	ALUMINUM MAGNESIUM ALLOY
6. Jacket	Color:	Black with Green Streak
	Nominal O.D.:	10.03±0.20mm
	Material:	PVC

Electrical Characteristics @ 20°C	
Impedance:	75±3 Ω
Capacitance:	52±3.0pF/m
Velocity of Propagation:	≅ 83%
Nom. Conductor DC Resistance:	≅ 42Ω/km
Swept Tested:	5MHz-1000MHz

Nominal Structural Return Loss	Frequency	<i>Note: No more than 3 spikes should be accepted from 1MHz to 1000MHz. These spikes shall be no less than 18dB</i>
	5~1000 MHz	
	≥ 18 dB	

Maximum Attenuation	Frequency (MHz)	dB/100m
	55	≅ 3.45dB
	100	≅ 5.97dB
	211	≅ 6.23dB
	450	≅ 9.02dB
	550	≅ 9.97dB
	750	≅ 12.06dB
	870	≅ 13.58dB
	1000	≅ 14.27dB