

ULTRA LOW LOSS COAXIAL CABLE

W83

VXW830



Construction Specification

Item	Material	Diameter(mm)
1. Inner conductor	Silver plated copper	2.44
2. Dielectric	PTFE	6.50
3. Inner Shield	Silver-Plated Copper Strip	6.90
4. Outer Shield	Silver-Plated Copper Wire Braiding	7.65
5. Jacket	PFA/Gray	8.30

Electrical Characteristics

Operating Frequency (GHz)	18
Expiration Frequency/ (GHz)	18
Impedance/(ohm)	50
Velocity/(%)	83
Shielding Efficiency/ (dB) Medium	>90
Pressure/(V,DC)	2500

Mechanical and Environmental Characteristics

Static Bending Radius/ (mm)	41
Dynamic Bending Radius/ (mm)	83
Weight/(kg/m)	0.162
Temperture Range/ (°C)	-55~165

Attenuation and Transmission Power

Frequency /(MHz)	1000	2000	3000	6000	8000	10000	12400	16000	18000
Attenuation / (dB/100m)	13.3	18.9	23.4	33.6	39.1	44.1	49.5	56.9	60.6
Power/ (Kw)	1.894	1.326	1.075	0.747	0.641	0.569	0.507	0.442	0.414
			K1=	0.408997					
			K2=	0.000320					
		Att=		$K1 * \sqrt{FMHz} + K2 * FMHz$					

Characteristics and Application

Characteristics
(<750PPM@ -55°C~+85°C)
(-155dbc)

Application

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