

1-1/4"

1-1/4" PE | HCTAY-50-32, Black PE Jacket

1-1/4" LSZH | HCTAYZ-50-32, Black LSZH Jacket



Material Specification

Inner Conductor	Smooth Copper Tube	13.10±0.10 mm
Dielectric	Foam Polyethylene	32.80±0.30 mm
Outer Conductor	Annular Corrugated Copper Tube	35.80±0.25 mm
Jacket	LSZH	38.60±0.30 mm
	PE	
Jacket Thickness ,min	—	1.20 mm

Electrical Specification

Characteristic Impedance	50 Ω	
Velocity of Propagation	89%	
Capacitance	75.0 pF/m	
Insulation Resistance,min	10000 MΩ·km	
Jacket Spark Test Voltage	10 KV	
RF Peak Voltage	4.30 KV	
Peak Power Rating	205 KW	
Cut-off Frequency	3.7 GHz	
VSWR max	700-960 MHz	1.13
	1700-2200 MHz	1.15
	2200-2700 MHz	1.18
	3300-3700 MHz	1.20

Mechanical Specifications

Single Bending Radius	200 mm
Repeated Bending Radius	380 mm
Bending Numbers	15

Environmental Specifications

	PE	LSZH
Storage Temperature	-55°C~+85°C	-30°C~+80°C
Installation Temperature	-40°C~+60°C	-20°C~+60°C
Operating Temperature	-55°C~+85°C	-30°C~+80°C
RoHS 2011/65/EU	Compliant	

Attenuation @ 20°C And Average Power Rating @ 40°C

Frequency, MHz	dB/100m	kw	Frequency, MHz	dB/100m	kw
100	0.91	12.52	1800	4.38	2.50
150	1.12	10.27	2000	4.66	2.31
200	1.30	8.64	2200	4.93	2.19
280	1.61	7.34	2400	5.19	2.08
450	2.01	5.52	2500	5.32	2.02
800	2.76	4.03	3000	5.93	1.79
900	2.86	3.73	3500	6.53	1.63
1000	3.13	3.50	3700	6.75	1.56
1500	3.95	2.80			

The attenuation is typical value, Maximum value shall be 108% of the typical value.