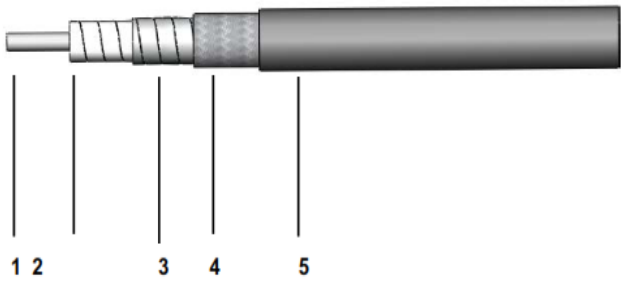
UHF-220

Features & Benefits

- 82%Vp PTFE Tape+ SPC Foil
- Ultra Low Loss, Excellent Temp Phase Stable
- Replace to CNX3506



Construction Description:

	Description	Size (mm)	Tolerance (mm)	Materials
1	Center conductor	0.51	±0.02	Standard Silver Plated Copper
2	Dielectric	1.4	±0.05	LD PTFE
3	Outer conductor	1.57	±0.05	Silver Plated Copper Foil
4	Outer shield	1.88	±0.05	Silver Plated Copper
5	Jacket	2.2	±0.10	Gray FEP

Mechanical&Environmental Specifications

Bend Radius: installation	11.00 (mm)
Bend Radius: repeated	22.00 (mm)
Weight	0.018 (g/m)
Temp, Operating & Installation	-55~+165 (ºC)

Electrical Specifications

Operation Frequency	67 (GHz)
Cutoff frequency	70 (GHz)
Impedance	50 (Ohms)
Velocity of Propagation	82%
Shielding Effectiveness	90 (dB)
Voltage Withstand (V,DC)	500

Attenuation (Typical@25ºC&VSWR=1.0) &Power (VSWR=1.0;40ºC;Sea Level)

Frequency MHz	300	1000	3000	6300	8000	9000	12000	26500	40000	60000	67000
dB/100 m	34.21	63.11	111.16	163.91	186.01	198.04	231.01	355.86	448	564.65	601.89
Avg. Power (kW)	0.490	0.272	0.151	0.102	0.090	0.085	0.073	0.047	0.037	0.030	0.028

K1= 1.950000

K2= 0.001450

Calculate Attenuation= K1*√FMHz+K2*FMHz

Tolerances	Scale	Abbr.	Rev.	
.X ±0.2 .XX ±0.1 .XXX ±0.05	NTS	ST	B	
PAGE 1 of 1	All Dimensions in mm (Unless Otherwise Specified)		Date 2021/09/15	RoHS 2