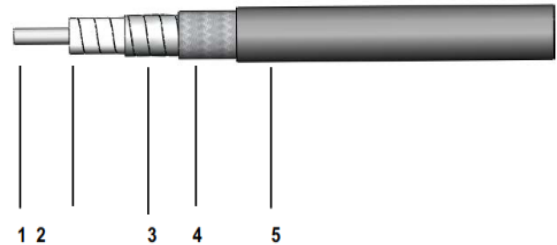


## Features & Benefits

- 83%Vp PTFE Tape+ SPC Foil
- Ultra Low Loss, Excellent Temp Phase Stable
- Equivalent to UFB205A
- Replace to CNX3449, HF190, IW1801



## Construction Description:

	Description	Size (mm)	Materials
1	Center conductor	1.45	Silver Plated Copper
2	Dielectric	3.99	LD PTFE
3	Outer conductor	4.29	Silver Plated Copper Foil
4	Outer shield	4.75	Silver Plated Copper
5	Jacket	5.18	FEP

## Mechanical&Environmental Specifications

Bend Radius: installation	25.40 (mm)
Bend Radius: repeated	52.00 (mm)
Weight	49 (g/m)
Temp, Operating & Installation	-55~+165 (°C)

## Electrical Specifications

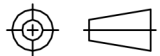
Operation Frequency	26.5 (GHz)
Cutoff frequency	29 (GHz)
Impedance	50 (Ohms)
Velocity of Propagation	82%
Shielding Effectiveness	90 (dB)
Voltage Withstand (V,DC)	1500
Mechanical Phase(@18GHz)	±2°
Amplitude Stability	±0.05 (dB)

Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)											
Frequency MHz	100	300	500	1000	2400	3000	6000	10000	13000	18000	26500
dB/100 m	7.19	12.49	16.17	22.96	35.85	40.18	57.41	74.85	85.87	101.93	125.20
Avg. Power (kW)	2.794	1.608	1.243	0.875	0.560	0.500	0.350	0.268	0.234	0.197	0.160

$$K1= 0.715687$$

$$K2= 0.000328$$

$$\text{Calculate Attenuation} = K1 * \sqrt{FMHz} + K2 * FMHz$$

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