

## Jumper 1/2F PE 7/16 Din Female – 7/16 Din Male Elbow

## ASTB-97X

### Description

<b>Cable:</b>	ACOME 50-1/2F PE cable
<b>Connector:</b>	7/16 Din female / 7/16 Din male elbow
<b>Assembly:</b>	Inner and outer contact 100% soldered and with thermal shrink tube

### Electrical Characteristics

<b>Impedance:</b>	50 ± 1Ω	
<b>Operating Frequency Range:</b>	DC ~ 3GHz	
<b>RMS Power (40 °C - 2 GHz):</b>	0.81 KW	
<b>Velocity:</b>	87%	
<b>Passive Intermodulation Measured In Swept Frequency Mode, With 2 × 20W Carriers:</b>	IM3 at 900MHz	≤ -160 dBc
	IM3 at 1800MHz	≤ -160 dBc
	IM7 at 2100MHz	≤ -160 dBc

### Mechanical Characteristics

<b>Material and Finish of Connector Body:</b>	Copper alloy - plated brass
<b>Material and Finish of Coupling Nut:</b>	Nickel - plated brass
<b>Material and Finish of Inner Conductor:</b>	Silver - plated bronze
<b>Coupling Waterproof:</b>	Silicone Rubber O-ring
<b>Coupling Torque:</b>	30 N.m Max.
<b>Minimum Bending Radius:</b>	70 mm

### Environmental Characteristics

<b>Temperature:</b>	Operating	-55 °C / +70 °C
	Installation	-25 °C / +55 °C
	Storage	-50 °C / +70 °C
<b>Waterproof Index:</b>	IP68 (1m /24 h)	
<b>RoHS Compliance:</b>	Yes	
<b>Test Methods:</b>	IEC 61169, IEC 62037, IEC 60529	

Length (m)	Product number	Weight (g)	Frequency 0/1000MHz		Frequency 1000/2200MHz		Frequency 2200/3000MHz	
			RL (dB)	ATT (dB)	RL (dB)	ATT (dB)	RL (dB)	ATT (dB)
0.5	C2894X	285	-28	0.15	-26	0.23	-24	0.27
1.0	C2895X	383	-28	0.19	-26	0.29	-24	0.34
1.5	C2815X	485	-28	0.23	-26	0.35	-24	0.41
2	C2816X	580	-28	0.27	-26	0.40	-24	0.48
2.5	C2896X	680	-28	0.30	-26	0.46	-24	0.55
3	C2817X	780	-28	0.34	-26	0.52	-24	0.61
4	C2897X	977	-28	0.41	-26	0.63	-24	0.74
5	C2133X	1175	-28	0.48	-26	0.74	-24	0.88
6	C2898X	1637	-28	0.55	-26	0.85	-24	1.01
7	C2135X	1572	-28	0.63	-26	0.96	-24	1.14
8	C2136X	1770	-28	0.70	-26	1.08	-24	1.28
10	C1585X	2165	-28	0.85	-26	1.30	-24	1.54