

# Jumper 1/4SF PE 7/16 Din Female – 7/16 Din Male elbow **ASTB-C4459X**

## Description

<b>Cable:</b>	ACOME 50-1/4SF 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>	0.35 KW	
<b>Velocity:</b>	83%	
<b>Passive Intermodulation Measured In Swept Frequency Mode, With 2 × 20W Carriers:</b>	IM3 at 900MHz	≤ -155 dBc
	IM3 at 1800MHz	≤ -155 dBc
	IM7 at 2100MHz	≤ -155 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>	25 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)
1	C4459X-L100	270	-28	0.32	-26	0.47	-24	0.55
1.5	C4459X-L150	310	-28	0.41	-26	0.63	-24	0.74
2	C4459X-L200	340	-28	0.55	-26	0.79	-24	0.92
2.5	C4459X-L250	385	-28	0.62	-26	0.93	-24	1.10
3	C4459X-L300	420	-28	0.72	-26	1.11	-24	1.29
3.5	C4459X-L350	458	-28	0.81	-26	1.24	-24	1.46
4	C4459X-L400	495	-28	0.91	-26	1.38	-24	1.64
5	C4459X-L500	570	-28	1.10	-26	1.69	-24	1.99