

# 1/4" Factory Fit and Certified Jumpers



Contact technical support:  
1-888-201-6073  
[techsupport@jmawireless.com](mailto:techsupport@jmawireless.com)

WPS TYPES OFFERED	
SEALS OFFERED FOR	PORT SEAL INCLUDED
DM, DR	WPS-DF
4M, 4R	WPS-4F
1M	WPS-1F
NM, NR	WPS-NF
MM, MR	WPS-MDF

CABLE TYPES OFFERED	
14S	3/4" SUPERFLEX, FOAM
14SP*	3/4" SUPERFLEX, PLENUM

*Coming Soon*

**JMA-XX(W)(XX)(W)(1)-XX-XX(M)**

CONNECTOR 1      CONNECTOR 2      WPS 1      WPS 2      PIGTAIL      LENGTH      METER

6 GHz READY!	CONNECTOR TYPES OFFERED	
	DM	DIN MALE
✓	4M	4.3-10 MALE
	1M	NEX10 MALE
	DR	DIN RIGHT ANGLE
	4R	4.3-10 RIGHT ANGLE MALE
	1R	NEX10 RIGHT ANGLE MALE
	NM	N MALE
	NR	N RIGHT ANGLE
	MM	4.1-9.5 DIN MALE
	MR	4.1-9.5 RIGHT ANGLE
	DF	DIN FEMALE
	4F	4.3-10 FEMALE
	NF	N FEMALE

IF (1) IS PRESENT, COMPRESSION CONNECTOR INCLUDED

IF (W)(1) IS PRESENT, COMPRESSION CONNECTOR INCLUDED WITH WPS

ALL PIGTAILS ARE MADE AS 2X SIZE NEEDED, PIM & RETURN LOSS TESTED AND THEN CUT IN HALF

**\*Jumper Length Notes:**

- 2' Minimum (0.5 meters)
- 100' Maximum (30 meters)
- 50' Max for pigtail

*Coming Soon*

Electrical	Specification	Comments
<b>Passive Intermodulation, 3rd Order</b>	-155 dBc minimum, dynamic HALT	As per IEC 62037-2, -3, before, during and after HALT testing
<b>Operating frequency</b>	DC - 6 GHz	
<b>Minimum Return Loss (VSWR)</b>	<-28 dB (1.08) 617 - 960 MHz <-28 dB (1.08) 1700 - 2200 MHz <-25 dB (1.12) 2200 - 2700 MHz <-20 dB (1.22) 3400 - 3800 MHz <sup>1</sup> <-20 dB (1.22) 5150 - 5925 MHz <sup>1</sup>	As per Anatel 75

\*Minimum Return Loss @ 1700-2200 MHz is < -25 dB when selecting 14SP cable.

<sup>1</sup> Jumpers manufactured with 6 GHz-ready connectors will be factory-tested to 6 GHz.

Highly Accelerated Life Tests (HALT)	Specification	Comments
<b>Mechanical stress, dynamic</b>	Meets electrical performance in above table before, during, and after test.	As per IEC 62037-2, -3
<b>Peak pull strength</b>	> 150 lb min, 1/4" superflexible jumpers	Cable limited, cable must fail before connection
<b>Cable torque</b>	> 15 lbf-in min, 1/4" superflexible jumpers	Cable limited, cable must fail before connection
<b>Thermal shock</b>	Meets electrical performance in above table before and after test.	As per Anatel 75, before, during, and after HALT testing
<b>Thermal stress</b>	Meets electrical performance in above table before, during, and after test.	-55 °C to +85 °C, cycled every 2 hours for 30 days minimum
<b>Moisture migration</b>	Meets electrical performance in above table before, during, and after test. No dye present past seals at 10X magnification.	ANSI/SCTE 60 5 day submersion with thermal cycling.
<b>Corrosion resistance</b>	Corrosion must not penetrate plating into base metals; plating must stay adhered to base metal.	ASTM B117-94, 1000 hour duration
<b>UV exposure</b>	Materials must show no signs of discoloration or embrittlement after 12 months exposure, equal to 33.4 years outdoors.	Full UV spectrum (UVA, UVB, UVC), 12 months exposure with moisture present per ASTM G155
<b>Vibration</b>	Meets electrical performance in above table before, during, and after test	

Jumper part number and description samples		
<b>JMA-4MW4RW-14S-8</b>	Jumper, 4.3-10 to 4.3-10 RA, 1/4" Superflex, WPS, 8 ft	
<b>JMA-4M4M-14S-25</b>	Jumper, 4.3-10 to 4.3-10, 1/4" Superflex, 25 ft	
Customer Support		
<a href="#">Jumper performance portal</a>		
<a href="#">Request connector training</a>		
<b>Customer service</b>	1-315-431-7100	customerservice@jmawireless.com

All specifications are subject to change without notice.