



WPS TYPES OFFERED	
SEALS OFFERED FOR	PORT SEAL INCLUDED
4M, 4R	WPS-4F
2M, 2R	WPS-2F-12
1M, 1R	WPS-1F-38S-01

CABLE TYPES OFFERED	
38S	3/8" SUPERFLEX, FOAM
38SP	3/8" SUPERFLEX, PLENUM

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

CONNECTOR 1      WPS 1      CONNECTOR 2      WPS 2      PIGTAIL      LENGTH      METER

CONNECTOR TYPES OFFERED	
4M	4.3-10 MALE
2M	2.2-5 MALE
1M	NEX10 MALE
4R	4.3-10 MALE, RIGHT ANGLE
1R	NEX10 MALE, RIGHT ANGLE
2R	2.2-5 MALE, RIGHT ANGLE
4F	4.3-10 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

PIGTAILS MUST BE ORDERED IN EVEN QUANTITIES.

**Jumper Length Notes:**

- 1' Minimum (0.3 meters)
- 130' Maximum (40 meters)
- 65' Max for pigtail (20 meters)

Coming Soon

Coming Soon

Electrical	Specification	Comments
Passive Intermodulation, 3rd Order <sup>1</sup>	-155 dBc minimum, dynamic HALT	As per IEC 62037-2, -3, before, during and after HALT testing
Operating frequency	DC - 6 GHz	

38S Interfaces: 4M, 2M, 1M, 4R, 2R				
Return Loss (dB) <sup>2</sup>				
Frequency (MHz)	L<20	20< L<80	80< L<130	130< L<170
617 - 960	-31	-26	-25	-24
1700 - 2200	-28	-26	-25	-23
2200 - 2700	-27	-24	-22	-20
3400 - 4200	-24	-20	-18	-16
5150 - 5925	-16	-16	-16	-16

38SP Interfaces: 4M, 2M, 1M, 4R, 2R				
Return Loss (dB) <sup>2</sup>				
Frequency (MHz)	L<20	20< L<80	80< L<130	130< L<170
617 - 960	-31	-26	-25	-24
1700 - 2200	-28	-26	-25	-23
2200 - 2700	-27	-24	-22	-20
3400 - 4200	-24	-20	-18	-16

<sup>1</sup> 100% of jumpers factory-tested with result available via web-based portal (link below)

<sup>2</sup> For mixed interface jumpers, Return Loss specification is governed by the interface with the lowest frequency rating.



# 3/8" Factory Fit and Certified Jumpers

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>	> 175 lb min, 3/8" superflexible jumpers	Cable limited, cable must fail before connection
<b>Cable torque</b>	> 33 lbf-in min, 3/8" 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>L4MW4RW-38S-8</b>	Jumper, 4.3-10 to 4.3-10 RA, 3/8" Superflex, WPS, 8 ft	
<b>L4M4M-38S-25</b>	Jumper, 4.3-10 to 4.3-10, 3/8" 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@jmwireless.com

All specifications are subject to change without notice.