

# 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             |
| 2M                | WPS-2F             |
| 1M                | WPS-1F             |
| NM, NR            | WPS-NF             |
| MM, MR            | WPS-MDF            |

  

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

  

CONNECTOR 1
WPS 1
(W)
(XX)
(W)
(1)
-XX-
XX
(M)

| 6 GHz READY <sup>1</sup> | CONNECTOR TYPES OFFERED |                         |
|--------------------------|-------------------------|-------------------------|
|                          | DM                      | DIN MALE                |
| ✓                        | 4M                      | 4.3-10 MALE             |
| ✓                        | 2M                      | 2.2-5 MALE              |
| ✓                        | 1M                      | NEX10 MALE              |
|                          | DR                      | DIN RIGHT ANGLE         |
|                          | 4R                      | 4.3-10 RIGHT ANGLE MALE |
|                          | 1R                      | NEX10 RIGHT ANGLE MALE  |
|                          | 2R                      | 2.2-5 RIGHT ANGLE       |
|                          | 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

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  |   |
| Minimum Return Loss (VSWR)                      | < -28 dB (1.08) 617 - 960 MHz<br>< -28 dB (1.08) 1700 - 2200 MHz<br>< -25 dB (1.12) 2200 - 2700 MHz<br>< -20 dB (1.22) 3400 - 3800 MHz <sup>2</sup><br>< -20 dB (1.22) 5150 - 5925 MHz <sup>2</sup> | As per Anatel 75  |

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

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

<sup>2</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.