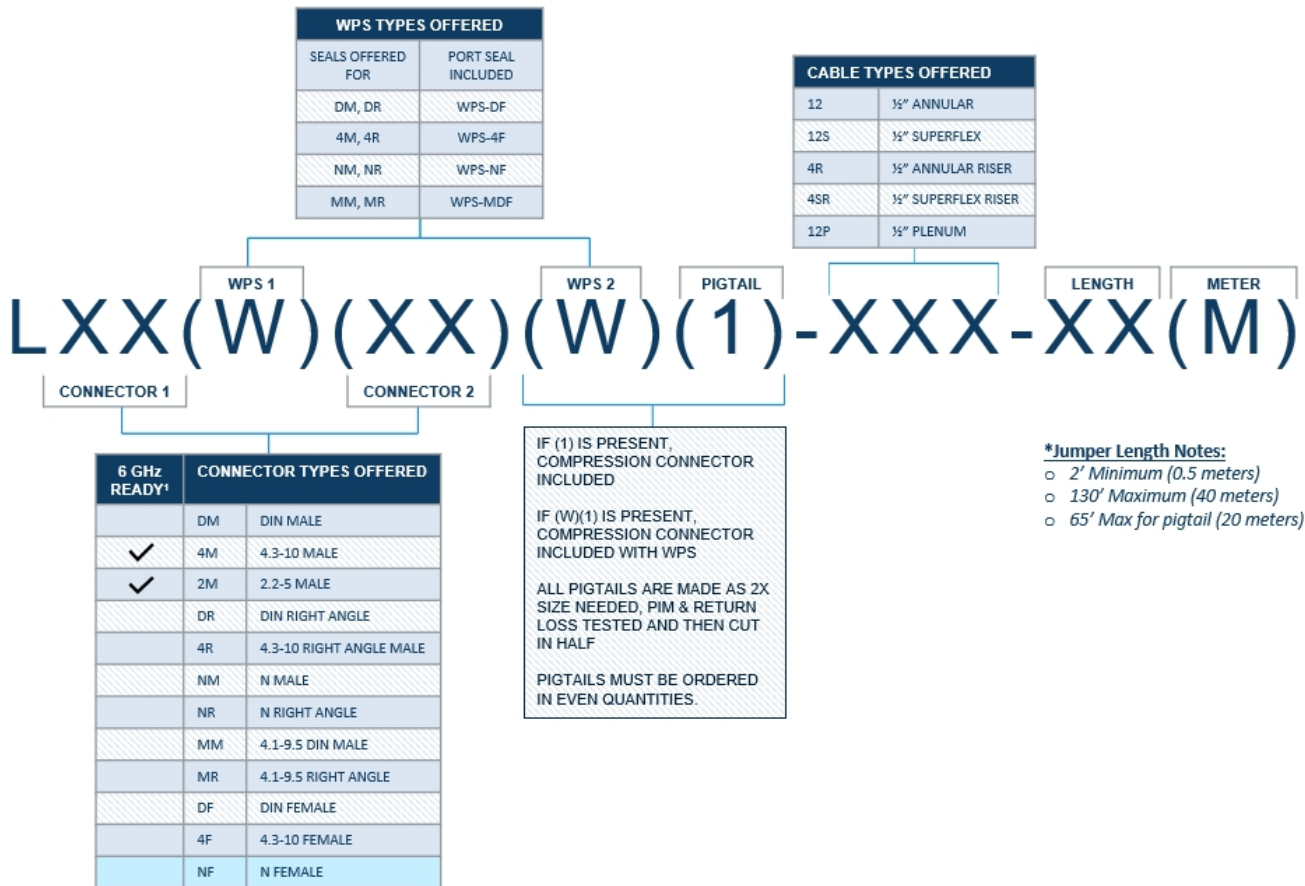


# 1/2" Factory Fit and Certified Jumpers



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



| Electrical                                      | Specification                                                                                                                                                                                       | Comments                                                      |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Passive Intermodulation, 3rd Order <sup>1</sup> | -160 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                                              |

<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>            | > 200 lb min, 1/2" superflexible jumpers<br>> 350 lb min, 1/2" annular jumpers                                              | Cable limited, cable must fail before connection                                         |
| <b>Cable torque</b>                  | > 36 lbf·in min, 1/2" superflexible jumpers<br>> 60 lbf·in min, 1/2" annular 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>L4MW4MW-12-8</b>                        | Jumper, 4.3-10 to 4.3-10, 1/2" Annular, WPS, 8 ft |                                 |
| <b>L4M4M-12S-25</b>                        | Jumper, 4.3-10 to 4.3-10, 1/2" Superflex, 25 ft   |                                 |
| <b>Customer Support</b>                    |                                                   |                                 |
| <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.