

## High Performance Cable Assemblies

Johnson offers high performance, millimeter wave frequency cable assemblies operating up to 67 GHz. They are offered in 2.92mm, 2.4mm, 1.85mm and SMPM, SMP, SMA families, as well as low-loss flexible and semi-rigid cable types. Below is a table of the SMP, SMA and SMPM semi-rigid cable assembly configurations with straight and right-angle connectors in 0.047" and 0.086" diameter cable in various lengths. Customizations are available for review upon request.

SMP Semi-rigid cable assembly performs to operating frequency of 18 GHz, with VSWR specification of 1.40 Max.

SMPM Semi-rigid cable assembly performs to operating frequency of 18 GHz, with VSWR specification of 1.50 Max.

### Applications

- Network equipment
- Test and measurement
- Semiconductor test
- Wireless and Radar Systems

#### SMP Straight Female to SMP Straight Female



| Part Number    | Cable Length |        | Cable Type | End A Shape | End B Shape |
|----------------|--------------|--------|------------|-------------|-------------|
| 415-0500-006   | 6 in         | -      | 0.086 in   | Straight    | Straight    |
| 415-0500-012   | 12 in        | -      | 0.086 in   | Straight    | Straight    |
| 415-0500-MM200 | -            | 200 mm | 0.086 in   | Straight    | Straight    |
| 415-0500-MM250 | -            | 250mm  | 0.086 in   | Straight    | Straight    |
| 415-0506-006   | 6 in         | -      | 0.047 in   | Straight    | Straight    |
| 415-0506-012   | 12 in        | -      | 0.047 in   | Straight    | Straight    |
| 415-0506-MM200 | -            | 200 mm | 0.047 in   | Straight    | Straight    |
| 415-0506-MM250 | -            | 250mm  | 0.047 in   | Straight    | Straight    |

#### SMP Straight Female to SMA Straight Male



| Part Number    | Cable Length |        | Cable Type | End A Shape | End B Shape |
|----------------|--------------|--------|------------|-------------|-------------|
| 415-0520-006   | 6 in         | -      | 0.086 in   | Straight    | Straight    |
| 415-0520-012   | 12 in        | -      | 0.086 in   | Straight    | Straight    |
| 415-0520-MM200 | -            | 200 mm | 0.086 in   | Straight    | Straight    |
| 415-0520-MM250 | -            | 250mm  | 0.086 in   | Straight    | Straight    |

# High Performance Cable Assemblies

## Semi-Rigid



### SMPM Straight Female to SMPM Straight Female

| Part Number    | Cable Length |        | Cable Type | End A Shape | End B Shape |
|----------------|--------------|--------|------------|-------------|-------------|
| 415-0524-006   | 6 in         | -      | 0.086 in   | Straight    | Straight    |
| 415-0524-012   | 12 in        | -      | 0.086 in   | Straight    | Straight    |
| 415-0524-MM200 | -            | 200 mm | 0.086 in   | Straight    | Straight    |
| 415-0524-MM250 | -            | 250mm  | 0.086 in   | Straight    | Straight    |
| 415-0530-006   | 6 in         | -      | 0.047 in   | Straight    | Straight    |
| 415-0530-012   | 12 in        | -      | 0.047 in   | Straight    | Straight    |
| 415-0530-MM200 | -            | 200 mm | 0.047 in   | Straight    | Straight    |
| 415-0530-MM250 | -            | 250mm  | 0.047 in   | Straight    | Straight    |



### SMP Straight Female to SMP Right Angle Female

| Part Number    | Cable Length |        | Cable Type | End A Shape | End B Shape |
|----------------|--------------|--------|------------|-------------|-------------|
| 415-0501-006   | 6 in         | -      | 0.086 in   | Straight    | Right Angle |
| 415-0501-012   | 12 in        | -      | 0.086 in   | Straight    | Right Angle |
| 415-0501-MM200 | -            | 200 mm | 0.086 in   | Straight    | Right Angle |
| 415-0501-MM250 | -            | 250mm  | 0.086 in   | Straight    | Right Angle |
| 415-0507-006   | 6 in         | -      | 0.047 in   | Straight    | Right Angle |
| 415-0507-012   | 12 in        | -      | 0.047 in   | Straight    | Right Angle |
| 415-0507-MM200 | -            | 200 mm | 0.047 in   | Straight    | Right Angle |
| 415-0507-MM250 | -            | 250mm  | 0.047 in   | Straight    | Right Angle |



### SMPM Straight Female to SMPM Right Angle Female

| Part Number    | Cable Length |        | Cable Type | End A Shape | End B Shape |
|----------------|--------------|--------|------------|-------------|-------------|
| 415-0525-006   | 6 in         | -      | 0.086 in   | Straight    | Right Angle |
| 415-0525-012   | 12 in        | -      | 0.086 in   | Straight    | Right Angle |
| 415-0525-MM200 | -            | 200 mm | 0.086 in   | Straight    | Right Angle |
| 415-0525-MM250 | -            | 250 mm | 0.086 in   | Straight    | Right Angle |
| 415-0531-006   | 6 in         | -      | 0.047 in   | Straight    | Right Angle |
| 415-0531-012   | 12 in        | -      | 0.047 in   | Straight    | Right Angle |
| 415-0531-MM200 | -            | 200 mm | 0.047 in   | Straight    | Right Angle |
| 415-0531-MM250 | -            | 250 mm | 0.047 in   | Straight    | Right Angle |