

## 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

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## 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