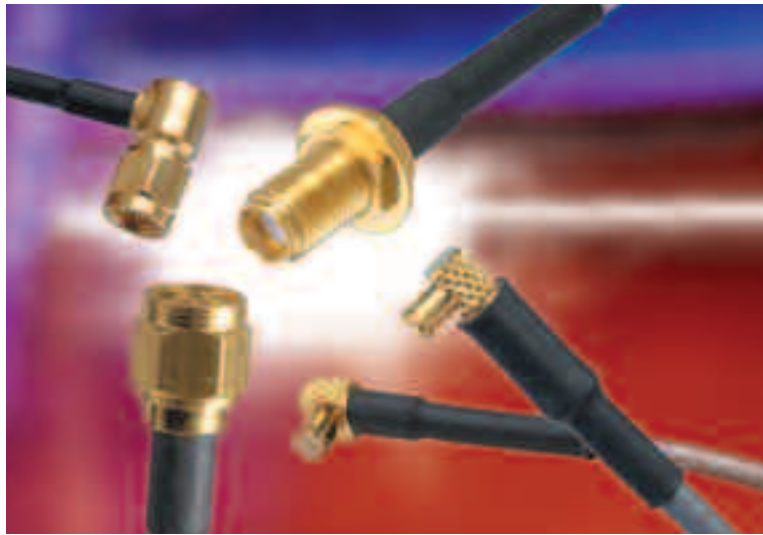



Connectivity...for  
Business-Critical Continuity

## *RF Cable Assembly*

### *Fixed Length Catalog*



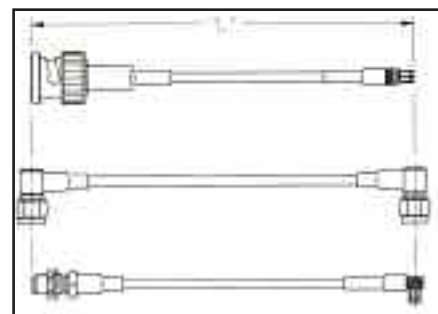
**JOHNSON**<sup>®</sup>

  
**EMERSON**<sup>™</sup>  
Network Power

## Electrical Ratings

Electrical ratings of a cable assembly are determined by the limiting connector type and cable size.

Connector	Cable	Connector Impedance (Ohms)	Frequency (GHz)	Dielectric Withstanding Voltage (Vrms)	Working Voltage (Vrms)
MMCX	RG-178	50	6	500 Vrms	170 Vrms
	RG-316	50	6	500 Vrms	170 Vrms
MCX	RG-178	50	6	750 Vrms	250 Vrms
	RG-316	50	6	1000 Vrms	335 Vrms
	RG-316 DS	50	6	1000 Vrms	335 Vrms
MCX 75 Ohm	RG-179	75	6	1000 Vrms	335 Vrms
	BELDEN 735A	75	6	1000 Vrms	335 Vrms
SMA	RG-178	50	12.4	500 Vrms	170 Vrms
	RG-316	50	12.4	750 Vrms	250 Vrms
	RG-316 DS	50	12.4	750 Vrms	250 Vrms
	RG-58	50	12.4	1000 Vrms	335 Vrms
	RG-142	50	12.4	1000 Vrms	335 Vrms
	Hand Formable .086	50	26.5	1000 Vrms	335 Vrms
	Hand Formable .141	50	26.5	1500 Vrms	500 Vrms
SMB	RG-178	50	4	750 Vrms	250 Vrms
	RG-316	50	4	1000 Vrms	335 Vrms
SMB Mini 75 Ohm	RG-179	75	2	1000 Vrms	335 Vrms
	RG-179 DS	75	2	1000 Vrms	335 Vrms
	BELDEN 735A	75	2	1000 Vrms	335 Vrms
BNC	RG-58	50	4	1500 Vrms	500 Vrms
	BELDEN 8218	50	4	1500 Vrms	500 Vrms
	RG-59	50	4	1500 Vrms	500 Vrms
	RG-59 PLENUM	50	4	1500 Vrms	500 Vrms
BNC True 75 Ohm	BELDEN 8218	75	3	1500 Vrms	500 Vrms
	RG-59	75	3	1500 Vrms	500 Vrms
	BELDEN 8281	75	3	1500 Vrms	500 Vrms
	COMMSCOPE 735	75	3	1500 Vrms	500 Vrms
	BELDEN 735A	75	3	1500 Vrms	500 Vrms
	BELDEN 734A	75	3	1500 Vrms	500 Vrms
	BELDEN 1694A	75	3	1500 Vrms	500 Vrms
N	RG-58	50	11	1500 Vrms	500 Vrms
	RG-142	50	11	1500 Vrms	500 Vrms
	RG-8	50	11	1500 Vrms	500 Vrms
	RG-213	50	11	1500 Vrms	500 Vrms



Johnson's® cable length applies to the end of straight connectors. The length is applied to the vertical centroid of right angle connectors.



If you don't see the cable assembly you require we can design and manufacture one to meet your unique specifications!

- Voltage/Continuity Test Fixture
- Interface location gauging
- VSWR Quality Assurance Scalar Analyzer
- VSWR/TDR Engineering Vector Analyzer
- CNC Hardline Bender (Semi-Rigid cables)
- Tested to customer specifications
- Flexible cable
- Conformable cable
- Semi-rigid cable
- 0 to 40 GHz
- 50 and 75 Ohms
- Controlled impedance
- Prototype available in 2 weeks

**MMCX STRAIGHT PLUG TO  
MMCX STRAIGHT PLUG**



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0066-006	RG-178	6"	135-3402-001	135-3402-001
415-0066-012	RG-178	12"	135-3402-001	135-3402-001
415-0066-018	RG-178	18"	135-3402-001	135-3402-001
415-0066-024	RG-178	24"	135-3402-001	135-3402-001



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0067-006	RG-316	6"	135-3403-001	135-3403-001
415-0067-012	RG-316	12"	135-3403-001	135-3403-001
415-0067-018	RG-316	18"	135-3403-001	135-3403-001
415-0067-024	RG-316	24"	135-3403-001	135-3403-001

**MMCX RIGHT ANGLE PLUG TO  
MMCX RIGHT ANGLE PLUG**



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0068-006	RG-178	6"	135-3402-101	135-3402-101
415-0068-012	RG-178	12"	135-3402-101	135-3402-101
415-0068-018	RG-178	18"	135-3402-101	135-3402-101
415-0068-024	RG-178	24"	135-3402-101	135-3402-101



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0069-006	RG-316	6"	135-3403-101	135-3403-101
415-0069-012	RG-316	12"	135-3403-101	135-3403-101
415-0069-018	RG-316	18"	135-3403-101	135-3403-101
415-0069-024	RG-316	24"	135-3403-101	135-3403-101

**MMCX STRAIGHT PLUG TO  
SMA STRAIGHT BULKHEAD JACK**



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0070-006	RG-178	6"	135-3402-001	142-0302-431
415-0070-012	RG-178	12"	135-3402-001	142-0302-431
415-0070-018	RG-178	18"	135-3402-001	142-0302-431
415-0070-024	RG-178	24"	135-3402-001	142-0302-431
415-0070-036	RG-178	36"	135-3402-001	142-0302-431



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0071-006	RG-316	6"	135-3403-001	142-0303-411
415-0071-012	RG-316	12"	135-3403-001	142-0303-411
415-0071-018	RG-316	18"	135-3403-001	142-0303-411
415-0071-024	RG-316	24"	135-3403-001	142-0303-411
415-0071-036	RG-316	36"	135-3403-001	142-0303-411

**MMCX RIGHT ANGLE PLUG TO  
SMA STRAIGHT BULKHEAD JACK**



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0072-006	RG-178	6"	135-3402-101	142-0302-431
415-0072-012	RG-178	12"	135-3402-101	142-0302-431
415-0072-018	RG-178	18"	135-3402-101	142-0302-431
415-0072-024	RG-178	24"	135-3402-101	142-0302-431
415-0072-036	RG-178	36"	135-3402-101	142-0302-431



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0073-006	RG-316	6"	135-3403-101	142-0303-411
415-0073-012	RG-316	12"	135-3403-101	142-0303-411
415-0073-018	RG-316	18"	135-3403-101	142-0303-411
415-0073-024	RG-316	24"	135-3403-101	142-0303-411
415-0073-036	RG-316	36"	135-3403-101	142-0303-411

## MCX STRAIGHT PLUG TO MCX STRAIGHT PLUG

Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0014-006	RG-178	6"	133-3402-021	133-3402-021
415-0014-012	RG-178	12"	133-3402-021	133-3402-021
415-0014-018	RG-178	18"	133-3402-021	133-3402-021
415-0014-024	RG-178	24"	133-3402-021	133-3402-021
415-0014-030	RG-178	30"	133-3402-021	133-3402-021
415-0014-036	RG-178	36"	133-3402-021	133-3402-021
415-0018-006	RG-316	6"	133-3403-001	133-3403-001
415-0018-012	RG-316	12"	133-3403-001	133-3403-001
415-0018-018	RG-316	18"	133-3403-001	133-3403-001



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0018-024	RG-316	24"	133-3403-001	133-3403-001
415-0018-030	RG-316	30"	133-3403-001	133-3403-001
415-0018-036	RG-316	36"	133-3403-001	133-3403-001
415-0020-006	RG-316 DS	6"	133-3404-001	133-3404-001
415-0020-012	RG-316 DS	12"	133-3404-001	133-3404-001
415-0020-018	RG-316 DS	18"	133-3404-001	133-3404-001
415-0020-024	RG-316 DS	24"	133-3404-001	133-3404-001
415-0020-030	RG-316 DS	30"	133-3404-001	133-3404-001
415-0020-036	RG-316 DS	36"	133-3404-001	133-3404-001

## MCX STRAIGHT PLUG TO MCX STRAIGHT BULKHEAD JACK

Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0016-006	RG-316	6"	133-3403-001	133-3303-401
415-0016-012	RG-316	12"	133-3403-001	133-3303-401
415-0016-018	RG-316	18"	133-3403-001	133-3303-401



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0016-024	RG-316	24"	133-3403-001	133-3303-401
415-0016-030	RG-316	30"	133-3403-001	133-3303-401
415-0016-036	RG-316	36"	133-3403-001	133-3303-401

## MCX STRAIGHT PLUG TO MCX RIGHT ANGLE PLUG

Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0017-006	RG-316	6"	133-3403-001	133-3403-101
415-0017-012	RG-316	12"	133-3403-001	133-3403-101
415-0017-018	RG-316	18"	133-3403-001	133-3403-101



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0017-024	RG-316	24"	133-3403-001	133-3403-101
415-0017-030	RG-316	30"	133-3403-001	133-3403-101
415-0017-036	RG-316	36"	133-3403-001	133-3403-101

## MCX RIGHT ANGLE PLUG TO MCX RIGHT ANGLE PLUG

Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0015-006	RG-178	6"	133-3402-101	133-3402-101
415-0015-012	RG-178	12"	133-3402-101	133-3402-101
415-0015-018	RG-178	18"	133-3402-101	133-3402-101
415-0015-024	RG-178	24"	133-3402-101	133-3402-101
415-0015-030	RG-178	30"	133-3402-101	133-3402-101
415-0015-036	RG-178	36"	133-3402-101	133-3402-101
415-0019-006	RG-316	6"	133-3403-101	133-3403-101
415-0019-012	RG-316	12"	133-3403-101	133-3403-101
415-0019-018	RG-316	18"	133-3403-101	133-3403-101



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0019-024	RG-316	24"	133-3403-101	133-3403-101
415-0019-030	RG-316	30"	133-3403-101	133-3403-101
415-0019-036	RG-316	36"	133-3403-101	133-3403-101
415-0021-006	RG-316 DS	6"	133-3404-101	133-3404-101
415-0021-012	RG-316 DS	12"	133-3404-101	133-3404-101
415-0021-018	RG-316 DS	18"	133-3404-101	133-3404-101
415-0021-024	RG-316 DS	24"	133-3404-101	133-3404-101
415-0021-030	RG-316 DS	30"	133-3404-101	133-3404-101
415-0021-036	RG-316 DS	36"	133-3404-101	133-3404-101

**MCX 75 OHM STRAIGHT PLUG TO  
MCX 75 OHM STRAIGHT PLUG**



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0022-006	RG-179	6"	133-8433-001	133-8433-001
415-0022-012	RG-179	12"	133-8433-001	133-8433-001
415-0022-018	RG-179	18"	133-8433-001	133-8433-001
415-0022-024	RG-179	24"	133-8433-001	133-8433-001
415-0022-030	RG-179	30"	133-8433-001	133-8433-001
415-0022-036	RG-179	36"	133-8433-001	133-8433-001

Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0023-006	Belden 735A	6"	133-8445-001	133-8445-001
415-0023-012	Belden 735A	12"	133-8445-001	133-8445-001
415-0023-018	Belden 735A	18"	133-8445-001	133-8445-001
415-0023-024	Belden 735A	24"	133-8445-001	133-8445-001
415-0023-030	Belden 735A	30"	133-8445-001	133-8445-001
415-0023-036	Belden 735A	36"	133-8445-001	133-8445-001

**MCX 75 OHM RIGHT ANGLE PLUG TO  
MCX 75 OHM RIGHT ANGLE PLUG**



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0024-006	Belden 735A	6"	133-8445-101	133-8445-101
415-0024-012	Belden 735A	12"	133-8445-101	133-8445-101
415-0024-018	Belden 735A	18"	133-8445-101	133-8445-101

Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0024-024	Belden 735A	24"	133-8445-101	133-8445-101
415-0024-030	Belden 735A	30"	133-8445-101	133-8445-101
415-0024-036	Belden 735A	36"	133-8445-101	133-8445-101

**SMA STRAIGHT PLUG TO  
SMA STRAIGHT PLUG**



Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0025-006	RG-178	6"	142-0402-011	142-0402-011
415-0025-012	RG-178	12"	142-0402-011	142-0402-011
415-0025-018	RG-178	18"	142-0402-011	142-0402-011
415-0025-024	RG-178	24"	142-0402-011	142-0402-011
415-0025-036	RG-178	36"	142-0402-011	142-0402-011
415-0025-048	RG-178	48"	142-0402-011	142-0402-011
415-0029-006	RG-316	6"	142-0403-011	142-0403-011
415-0029-012	RG-316	12"	142-0403-011	142-0403-011
415-0029-018	RG-316	18"	142-0403-011	142-0403-011
415-0029-024	RG-316	24"	142-0403-011	142-0403-011
415-0029-036	RG-316	36"	142-0403-011	142-0403-011
415-0029-048	RG-316	48"	142-0403-011	142-0403-011
415-0033-006	RG-316 DS	6"	142-0404-011	142-0404-011
415-0033-012	RG-316 DS	12"	142-0404-011	142-0404-011

Part Number	Cable Type	Cable Length	Connector A	Connector B
415-0033-018	RG-316 DS	18"	142-0404-011	142-0404-011
415-0033-024	RG-316 DS	24"	142-0404-011	142-0404-011
415-0033-036	RG-316 DS	36"	142-0404-011	142-0404-011
415-0033-048	RG-316 DS	48"	142-0404-011	142-0404-011
415-0038-012	RG-58	12"	142-0407-011	142-0407-011
415-0038-024	RG-58	24"	142-0407-011	142-0407-011
415-0038-036	RG-58	36"	142-0407-011	142-0407-011
415-0038-048	RG-58	48"	142-0407-011	142-0407-011
415-0038-060	RG-58	60"	142-0407-011	142-0407-011
415-0043-012	RG-142	12"	142-0408-011	142-0408-011
415-0043-024	RG-142	24"	142-0408-011	142-0408-011
415-0043-036	RG-142	36"	142-0408-011	142-0408-011
415-0043-048	RG-142	48"	142-0408-011	142-0408-011
415-0043-060	RG-142	60"	142-0408-011	142-0408-011