



Connectivity Solutions

Complete or Partial Part #,
Competitor Part # or
Keywords.

[Wireless](#)[CATV](#)[Audio & Video](#)[Networking &
Structured Wiring](#)[Military & Aerospace](#)[Test & Measurement](#)

Product Detail



Product Line:	Johnson
Part Number:	415-0028-012
Description:	SMA Straight Plug to BNC 50 Ohm Straight Plug
Product Family:	SMA/BNC
Body Style:	Straight/Straight
Cable Type:	RG316
Connector A:	SMA
Connector B:	SMA
Genders:	Male/Male
Length:	12

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Fixed Length Cable Assemblies

SMA STRAIGHT PLUG TO BNC STRAIGHT PLUG

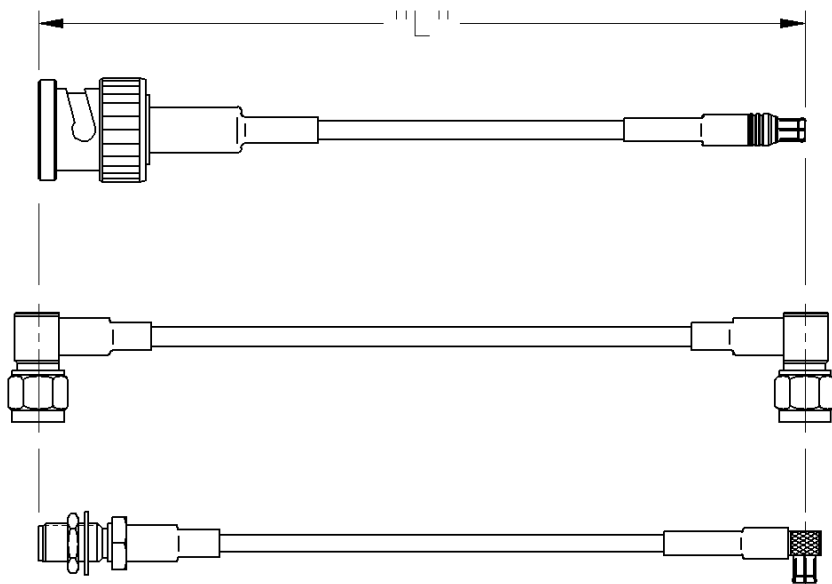
PART NUMBER	CABLE TYPE	CABLE LENGTH	CONNECTOR A	CONNECTOR B
415-0028-006	RG-316	6"	142-0403-011	CPM-88-19
415-0028-012	RG-316	12"	142-0403-011	CPM-88-19
415-0028-018	RG-316	18"	142-0403-011	CPM-88-19
415-0028-024	RG-316	24"	142-0403-011	CPM-88-19
415-0028-036	RG-316	36"	142-0403-011	CPM-88-19
415-0028-048	RG-316	48"	142-0403-011	CPM-88-19
415-0037-012	RG-58	12"	142-0407-011	CPMC-88-1
415-0037-024	RG-58	24"	142-0407-011	CPMC-88-1

PART NUMBER	CABLE TYPE	CABLE LENGTH	CONNECTOR A	CONNECTOR B
415-0037-036	RG-58	36"	142-0407-011	CPMC-88-1
415-0037-048	RG-58	48"	142-0407-011	CPMC-88-1
415-0037-060	RG-58	60"	142-0407-011	CPMC-88-1
415-0042-012	RG-142	12"	142-0408-011	CPMC-88-13
415-0042-024	RG-142	24"	142-0408-011	CPMC-88-13
415-0042-036	RG-142	36"	142-0408-011	CPMC-88-13
415-0042-048	RG-142	48"	142-0408-011	CPMC-88-13
415-0042-060	RG-142	60"	142-0408-011	CPMC-88-13

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)
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
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



Johnson Components' cable length applies to the end of straight connectors. The length is applied to the vertical centroid of right angle connectors. The last three digits of the part number reflect the length of the cable in inches.