

GRF02-0150

RF Connector Cable Assembly With Flexible 962-025 Series Coax



HOW TO ORDER

Sample Part Number		GRF02-0150	- 047	-A	MS	-B	MS	-12
Series	GRF02-0150 = RF Cable Assembly with Flexible 962-025 Series Coax							
962-025 Series Cable Diameter	- 047 = 962-025-047 - 086 = 962-025-086 - 141 = 962-025-141							
Connector (End X) Series Interface	-A = N Series -B = ATNC Series -C = SMA Series -D = 2.92mm Series -H = SMP Series -J = SMPM Series -K = SMP5 Series							
Connector Configuration (End X)	Per Table IV							
Connector (End Y) Series Interface	-A = N Series -B = ATNC Series -C = SMA Series -D = 2.92mm Series -H = SMP Series -J = SMPM Series -K = SMP5 Series							
Connector Configuration (End Y)	Per Table IV							
Cable Length	In Inches							

TYPICAL CABLE ASSEMBLY INSERTION LOSS

- See Table II for k-factors.
 $(dB) = [(inches/12) \times \{(K1 \times (f \text{ MHz})^{0.5}) + (K2 \times f \text{ MHz})\} + [\text{end X} + \text{end Y connector loss}]$
 (Table III)

SPECIFICATIONS

- Impedance: 50 ohm nom.
- Frequency range: per lowest connector max frequency range
- Typical connector VSWR: see Table I.

NOTES

- Refer to connector drawings for materials, finish, electrical performance, and dimension details.
- Refer to cable drawings for materials, electrical performance, and dimensional details.

TABLE I: TYPICAL CONNECTOR VSWR

Assembly Connector Configuration	VSWR
Two Straight Connectors	1.35:1
Straight And Right Angle Connector	1.40:1
Two Right Angle Connectors	1.45:1

TABLE III - TYPICAL CONNECTOR LOSS

Connector Type	Loss Formula
Straight Connector	$0.0009 \times (f \text{ MHz})^{0.5}$
Right Angle Connector	$0.0011 \times (f \text{ MHz})^{0.5}$

TABLE II - CABLE INSERTION LOSS

Cable Size	K1	K2	Description
047	0.0118313	0.0000099	RF Coax Cable, Low Loss
086	0.0067718	0.0000087	
141	0.0036493	0.0000078	

RF, Microwave, and mmWave Interconnects

Contact Jumper and Connector Assemblies

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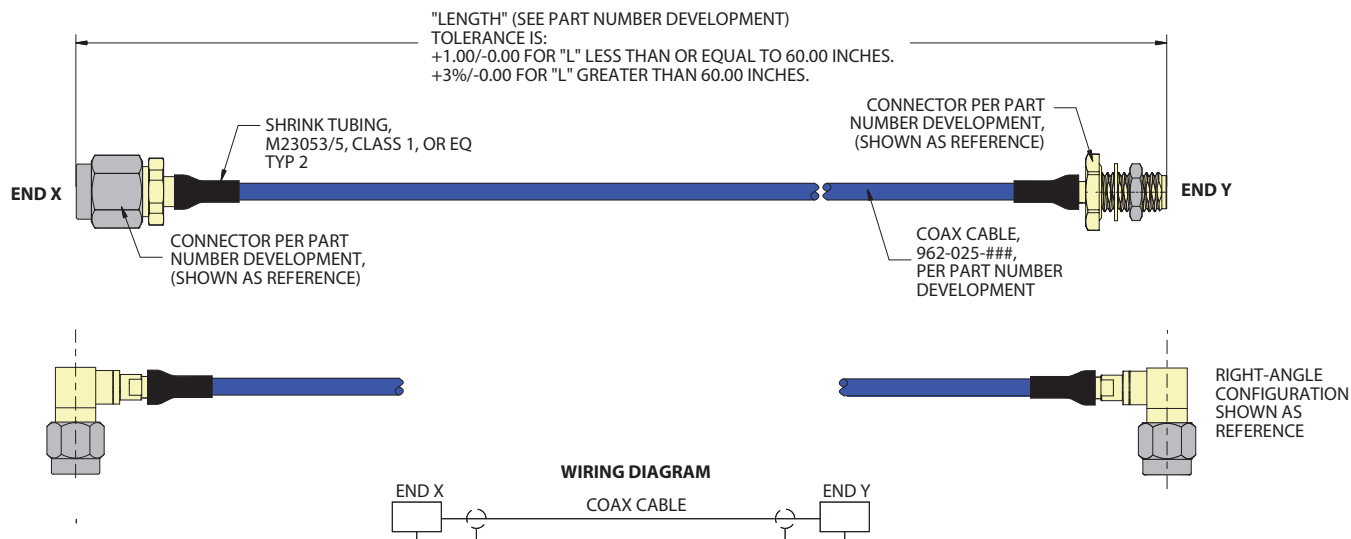


TABLE IV: CONNECTOR CONFIGURATIONS

Interface Series	Connector Configuration	Compatible with 962-025-141	Compatible with 962-025-086	Compatible with 962-025-047
- A N Series Freq: DC-18 GHZ	MS: Male, Straight	*Note	Yes	-
	MR: Male, Right Angle	*Note	Yes	-
	MSL: Male, Straight, Locking	-	-	-
	MRL: Male, Right Angle, Locking	-	-	-
	FB: Female, Bulkhead	-	Yes	-
- B ATNC Series Freq: DC-18 GHZ	MS: Male, Straight	Yes	Yes	*Note
	MR: Male, Right Angle	Yes	Yes	*Note
	MSL: Male, Straight, Locking	-	-	-
	MRL: Male, Right Angle, Locking	-	-	-
	FB: Female, Bulkhead	Yes	Yes	*Note
- C SMA Series Freq: DC-18 GHZ	MS: Male, Straight	Yes	Yes	Yes
	MR: Male, Right Angle	Yes	Yes	Yes
	MSL: Male, Straight, Locking	-	-	-
	MRL: Male, Right Angle, Locking	-	-	-
	FB: Female, Bulkhead	Yes	Yes	Yes
- D 2.92mm Series Freq: DC-40 GHZ	MS: Male, Straight	Yes	Yes	Yes
	MR: Male, Right Angle	*Note	*Note	*Note
	MSL: Male, Straight, Locking	-	-	-
	MRL: Male, Right Angle, Locking	-	-	-
	FB: Female, Bulkhead	Yes	Yes	Yes
- H SMP Series Freq: DC-40 GHZ	FS: Female, Straight	-	Yes	Yes
	FR: Female, Right Angle	-	Yes	Yes
- J SMPM Series Freq: DC-40 GHZ	FS: Female, Straight	-	Yes	Yes
	FR: Female, Right Angle	-	Yes	Yes
- K SMPS Series Freq: DC-40 GHZ	FS: Female, Straight	-	-	Yes
	FR: Female, Right Angle	-	-	Yes

*Note: consult factory for configuration availability.