

GRF02-0151

RF Connector Cable Assembly With Flexible 962-032 Series Coax



HOW TO ORDER							
Sample Part Number		GRF02-0151	-130	-A	MS	-B	MR
Series	GRF02-0151 = RF Cable Assembly with Flexible 962-032 Series Coax						
962-032 Series Cable Diameter	-130: 962-032-130 -160: 962-032-160 -200: 962-032-200 -235: 962-032-235 -300: 962-032-300						
Connector (End X) Series Interface	-A = N Series -B = ATNC Series -C = SMA Series -D = 2.92mm 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						
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	$0.0009 \times \sqrt{f \text{ MHz}}$
Right Angle Connector	$0.0011 \times \sqrt{f \text{ MHz}}$

TABLE II - CABLE INSERTION LOSS

Cable Size	K1	K2	Description
130	0.0042280	0.0000016	RF Coax Cable, Triple Shield
160	0.0033141	0.0000035	
200	0.0023559	0.0000014	
235	0.0021092	0.0000015	
300	0.0016033	0.0000007	

RF, Microwave, and mmWave Interconnects

Contact Jumper and Connector Assemblies

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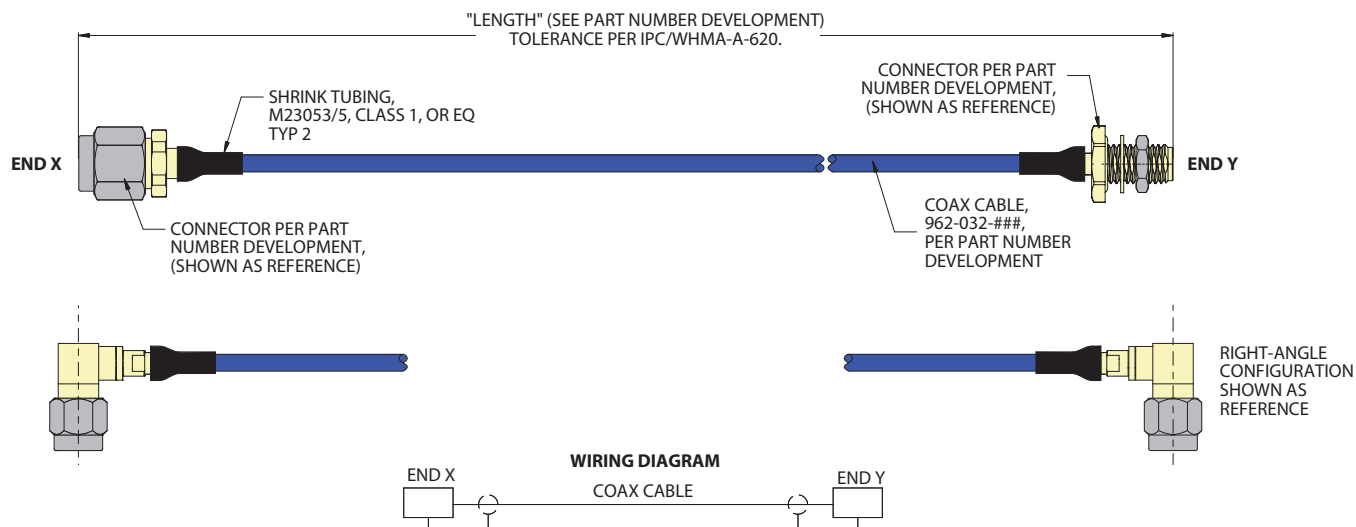


TABLE IV: CONNECTOR CONFIGURATIONS

Interface Series	Connector Configuration	Compatible With 962-032-300	Compatible With 962-032-235	Compatible With 962-032-200	Compatible With 962-032-160	Compatible With 962-032-130
- A N Series Freq: DC-18 GHZ	MS: Male, Straight	Yes	Yes	Yes	Yes	Yes
	MR: Male, Right Angle	Yes	Yes	Yes	Yes	Yes
	MSL: Male, Straight, Locking	Yes	Yes	Yes	Yes	Yes
	MRL: Male, Right Angle, Locking	Yes	Yes	Yes	Yes	Yes
	FB: Female, Bulkhead	Yes	Yes	Yes	Yes	Yes
- B ATNC Series Freq: DC-18 GHZ	MS: Male, Straight	Yes	Yes	Yes	Yes	Yes
	MR: Male, Right Angle	Yes	Yes	Yes	Yes	Yes
	MSL: Male, Straight, Locking	Yes	Yes	Yes	Yes	Yes
	MRL: Male, Right Angle, Locking	Yes	Yes	Yes	Yes	Yes
	FB: Female, Bulkhead	Yes	Yes	Yes	Yes	Yes
- C SMA Series Freq: DC-18 GHZ	MS: Male, Straight	Yes	Yes	Yes	Yes	Yes
	MR: Male, Right Angle	Yes	Yes	Yes	Yes	Yes
	MSL: Male, Straight, Locking	Yes	Yes	Yes	Yes	Yes
	MRL: Male, Right Angle, Locking	Yes	Yes	Yes	Yes	Yes
	FB: Female, Bulkhead	Yes	Yes	Yes	Yes	Yes
- D 2.92mm Series Freq: DC-40 GHZ	MS: Male, Straight	*Note	*Note	*Note	Yes	Yes
	MR: Male, Right Angle	-	-	*Note	Yes	Yes
	MSL: Male, Straight, Locking	*Note	*Note	*Note	Yes	Yes
	MRL: Male, Right Angle, Locking	-	-	-	Yes	Yes
	FB: Female, Bulkhead	-	-	*Note	Yes	Yes

*Note: consult factory for configuration availability.