

8576-0151

RF Drop-In Jumper Assembly for Multiport Connectors With Flexible 962-032 Series Coax



TYPICAL CABLE ASSEMBLY INSERTION LOSS

- See Table II for k-factors.
(dB)=[(inches/12) x {(K1 x (f MHz)^{0.5}) + (K2 x f MHz)}] + [end X + 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.

HOW TO ORDER

Sample Part Number		8576-0151	-130	-A	MS	-B	MR	-12
Series	8576-0151 = 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							
Contact Interface (End X)	-BM: BMB Contact -SM: SMPM Contact -SS: SMPs Contact -NV: Nano Vita 67.3 Contact							
Contact Type (End X)	Per Table IV							
Contact Interface or Connector Series (End Y)	-BM: BMB Contact -SM: SMPM Contact -SS: SMPs Contact -NV: Nano Vita 67.3 Contact -A: N Series -B: ATNC Series -C: SMA Series -D: 2.92mm Series -E: SMP Series -F: SMPM Series							
Contact Type (End Y)	Per Table IV							
Connector Configuration (End Y)	Per Table V							
Cable Length	In Inches							

TABLE I: TYPICAL CONNECTOR VSWR

Assembly Connector Configuration	VSWR
Two Straight Contacts/Connectors	1.35:1
One Straight Contact/Connector and One Right Angle Connector	1.40:1

TABLE III - TYPICAL CONNECTOR LOSS

Connector Type	Loss Formula
Straight Connector	0.0009 x √f MHz
Right Angle Connector	0.0011 x √f MHz

TABLE II - TYPICAL 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	

TABLE IV: CONTACT CONFIGURATIONS

Interface Series	Contact Type	Compatible with 962-032-235	Compatible with 962-032-200	Compatible with 962-032-160	Compatible with 962-032-130
-BM #8 BMB Contact, 18 GHz Max	P1: Pin (Series 233, 806RF, 795)	Yes	Yes	Yes	Yes
	S1: Skt (Series 806RF, 795)	Yes	Yes	Yes	Yes
	S2: Skt (Series 233)	Yes	Yes	Yes	Yes
-SM #12 SMPM Contact, 40 GHz Max	P1: Pin (Series 233, 801-806, 806RF, 791, 795)	-	-	-	Yes
	S1: Skt (Series 801-806, 806RF, 791, 795)	-	-	-	Yes
	S2: Skt (Series 233)	-	-	-	Yes

*Note: consult factory for configuration availability.

8576-0151

RF Drop-In Jumper Assembly for Multiport Connectors With Flexible 962-032 Series Coax

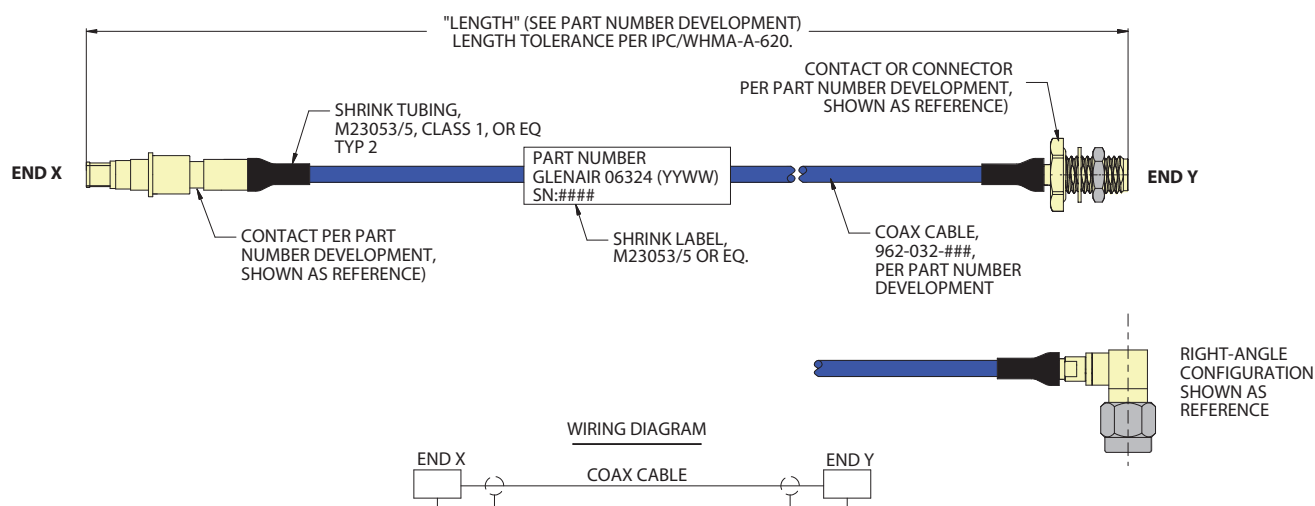


TABLE V: CONNECTOR CONFIGURATIONS

Interface Series	Connector Configuration	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
	MR: Male, Right Angle	Yes	Yes	Yes	Yes
	MSL: Male, Straight, Locking	Yes	Yes	Yes	Yes
	MRL: Male, Right Angle, Locking	Yes	Yes	Yes	Yes
	FB: Female, Bulkhead	Yes	Yes	Yes	Yes
- B ATNC Series Freq: DC-18 GHz	MS: Male, Straight	Yes	Yes	Yes	Yes
	MR: Male, Right Angle	Yes	Yes	Yes	Yes
	MSL: Male, Straight, Locking	Yes	Yes	Yes	Yes
	MRL: Male, Right Angle, Locking	Yes	Yes	Yes	Yes
	FB: Female, Bulkhead	Yes	Yes	Yes	Yes
- C SMA Series Freq: DC-18 GHz	MS: Male, Straight	Yes	Yes	Yes	Yes
	MR: Male, Right Angle	Yes	Yes	Yes	Yes
	MSL: Male, Straight, Locking	Yes	Yes	Yes	Yes
	MRL: Male, Right Angle, Locking	Yes	Yes	Yes	Yes
	FB: Female, Bulkhead	Yes	Yes	Yes	Yes
- D 2.92mm Series Freq: DC-40 GHz	MS: Male, Straight	*Note	*Note	Yes	Yes
	MR: Male, Right Angle	-	*Note	Yes	Yes
	MSL: Male, Straight, Locking	*Note	*Note	Yes	Yes
	MRL: Male, Right Angle, Locking	-	-	Yes	Yes
	FB: Female, Bulkhead	-	*Note	Yes	Yes
- E SMP Series Freq: DC-40 GHz	FS: Female, Straight	-	-	-	-
	FR: Female, Right Angle	-	-	-	-
- F SMPM Series Freq: DC-40 GHz	FS: Female, Straight	-	-	-	-
	FR: Female, Right Angle	-	-	-	-
- G SMPS Series Freq: DC-40 GHz	FS: Female, Straight	-	-	-	-
	FR: Female, Right Angle	-	-	-	-

*Note: consult factory for configuration availability.