8576-0151

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

HOW TO ORDER							
Sample Part Number	**8576-0151**	**- 130**	**-BM**	**P1**	**-SM**	**S1**	**-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
Contact Type (End X)	Per Table IV
Contact Interface or Connector Series (End Y)	**-BM:** BMB Contact **-SM:** SMPM Contact **-A:** N Series **-B:** ATNC Series **-C:** SMA Series **-D:** 2.92mm Series
Contact or Connector Type (End Y)	Contact Per Table IV or Connector Per Table V
Cable Length	In Inches

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.
- For right angle configurations, length measurement will be taken from the connector interface centerline.
- Contact factory for lengths shorter than 6 inches.
- Size 8 BMB contacts will have a grommet follower installed in place of shrink tubing.
- Maximum shrink tube length is behind the rear of the contact.
- For assembly lengths longer than 120 inches, main label will be installed 6 inches behind the connector on each end in place of the center label.

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 TYPE

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

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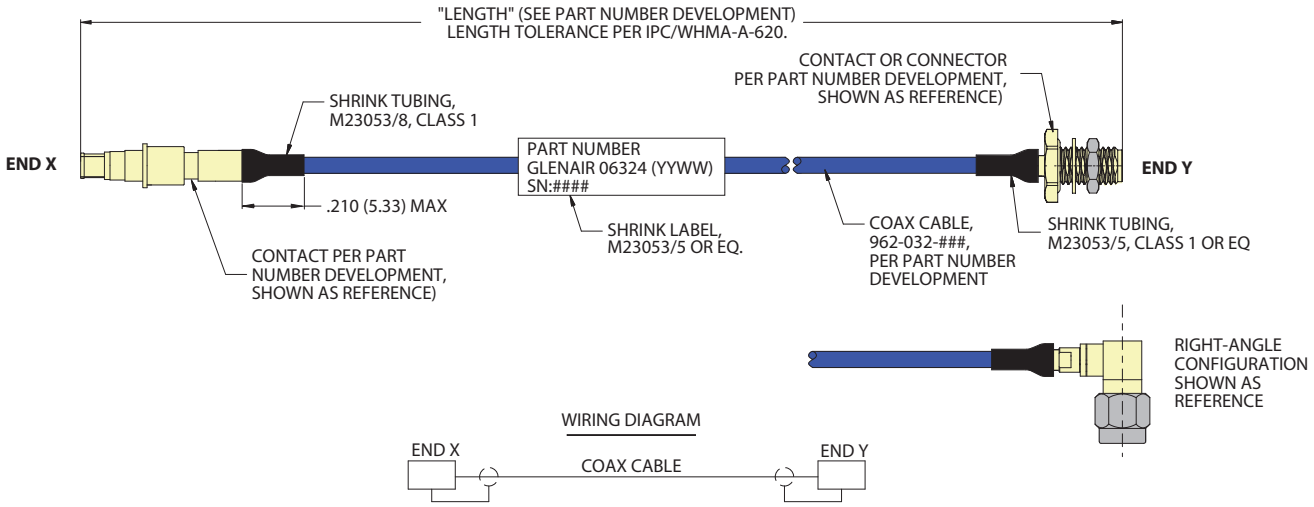

TABLE V: CONNECTOR TYPE					
Interface Series	**Connector Configuration**	**Compatible with 962-032-235**	**Compatible with 962-032-200**	**Compatible with 962-032-160**	**Compatible with 962-032-130**
- A N Series Freq: DC-18 GHz	**MS:** Male, Straight	Yes	Yes	Yes	Yes
	MR: Male, Right Angle	Yes	Yes	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	-	-	Yes	Yes
	MR: Male, Right Angle	-	-	Yes	Yes
	MSL: Male, Straight, Locking	-	-	Yes	Yes
	MRL: Male, Right Angle, Locking	-	-	Yes	Yes
	FB: Female, Bulkhead	-	-	Yes	Yes

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Dimensions in Inches (millimeters) are subject to change without notice.