

UHF Male Connector Crimp/Non-Solder Contact Attachment for LMR-600, LMR-600-DB Cable

Times Microwave Systems Connector Specification

UHF Male Standard Connector Crimp/Non-Solder Contact Attachment for LMR-600, LMR-600-DB and PE-C600 Cable, part number EZ-600-UM-X, from Times Microwave offered by Fairview Microwave is in-stock and ships same day. This UHF male connector operates up to a maximum frequency of 3 GHz.

Times Microwave's UHF male connector EZ-600-UM-X datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
Insertion Loss			0.17	dB
DWV (AC)			2,000	Vrms
Insulation Resistance	10,000			MOhms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 2.45					GHz
VSWR, Max	1.3:1					

Mechanical Specifications

Size

Length	2.54 in [64.52 mm]
Width/Dia.	0.689 in [17.50 mm]
Height	0.689 in [17.5 mm]
Weight	0.01188 lbs [5.39 g]

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Silver 200µin
Insulation	PTFE	
Body	Brass	Tin/Nickel 100µin
Coupling Nut	Brass	Tin/Nickel 100µin



Configuration:

- UHF Male Connector
- 50 Ohms
- Straight Body Geometry
- LMR-600, LMR-600-DB, PE-C600 Interface Type
- Crimp/Non-Solder Contact Attachment

Features:

- Operating Frequency of 3 GHz Max.
- Silver Plated Phosphor Bronze Contact
- 200µin contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

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 Crimp Sleeve

Copper

 Tin/Nickel
 100µin

Environmental Specifications

Temperature

Operating Range

-40 to +125 deg C

Shock

MIL-STD-202, Meth. 213, Cond. G

Vibration

MIL-STD-202, Meth. 204, Cond. B

Thermal Shock

MIL-STD-202, Meth. 107, Cond. B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

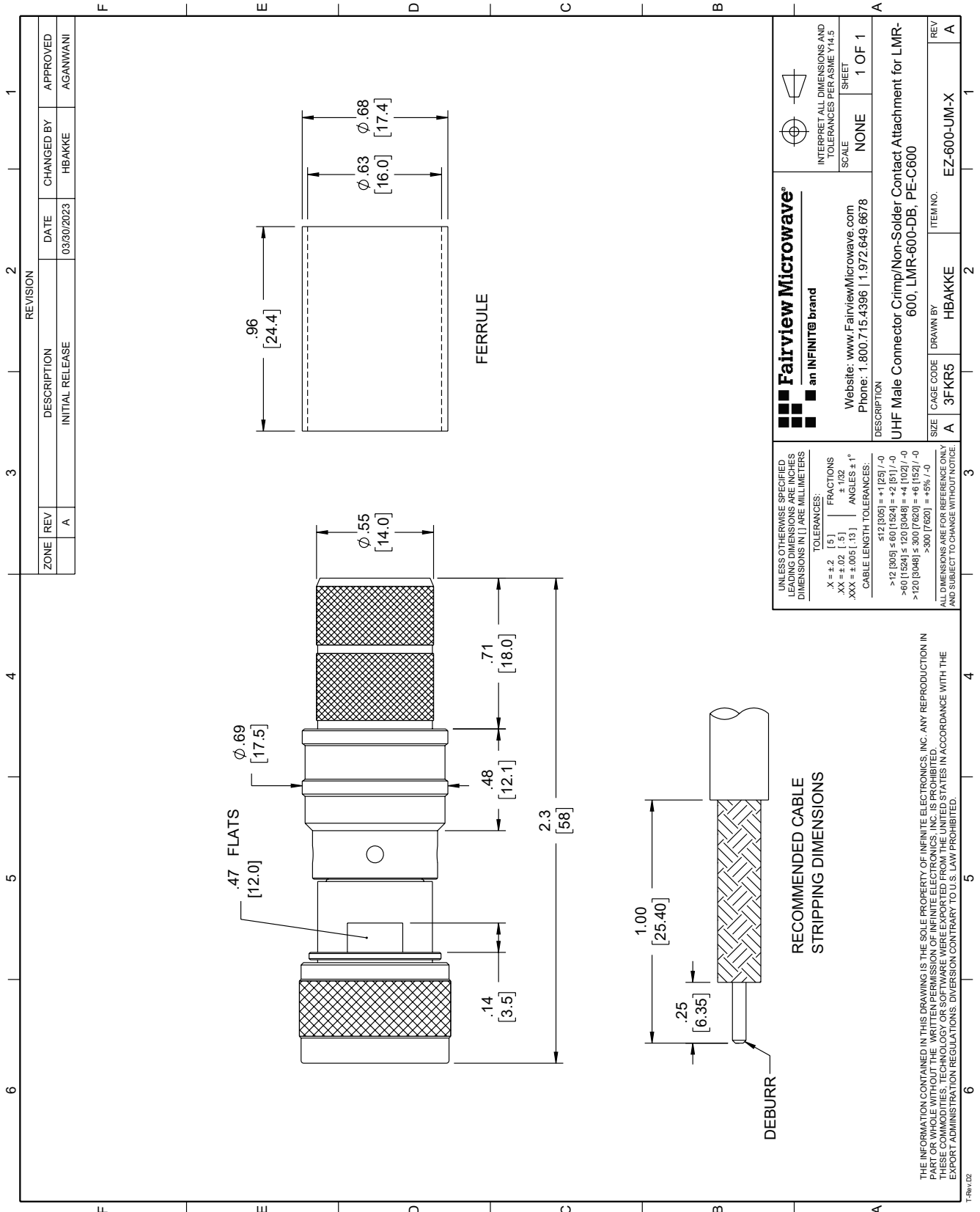
Notes:

UHF Male Connector Crimp/Non-Solder Contact Attachment for LMR-600, LMR-600-DB Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [UHF Male Connector Crimp/Non-Solder Contact Attachment for LMR-600, LMR-600-DB Cable EZ-600-UM-X](#)

URL: <https://www.fairviewmicrowave.com/uhf-male-lmr-600-connector-ez-600-um-x-p.aspx>

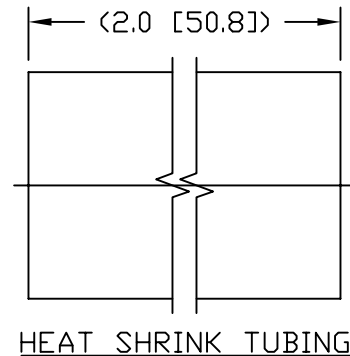
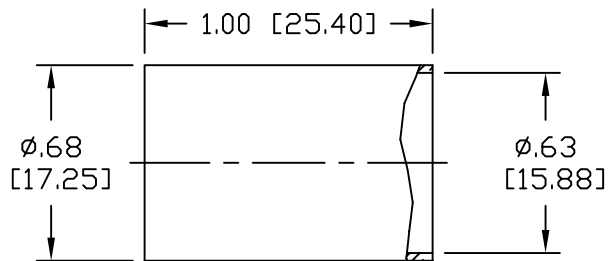
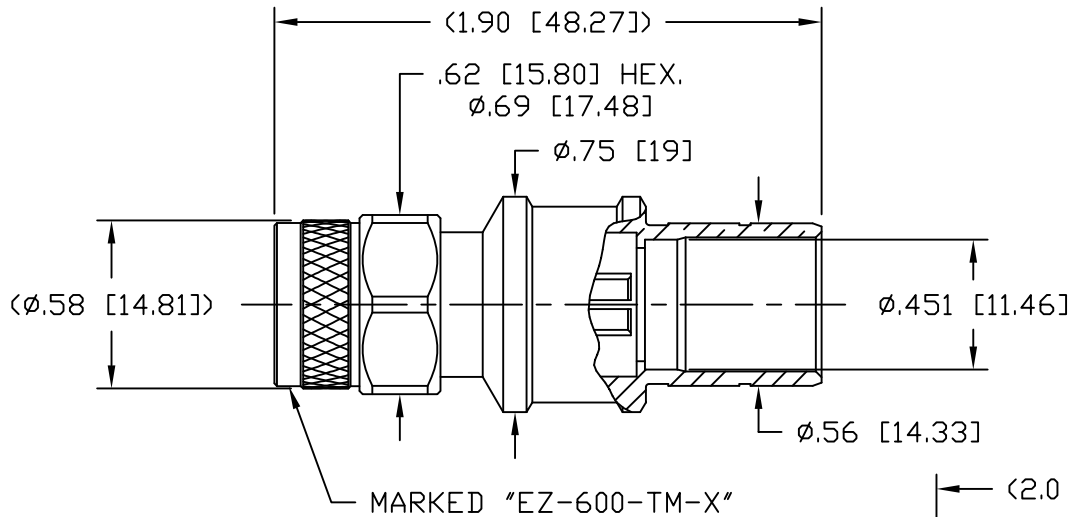
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



Fairview Microwave® an INFINITE® brand Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND FRACTIONS. XX = ±.02 [.5] FRACTIONS XXX = ±.005 [.13] ANGLES ± 1° CABLE LENGTH TOLERANCES: ≤ 12 [305] = ±.125 / -0 > 12 [305] ≤ 60 [1524] = +.2 [51] / -0 > 60 [1524] ≤ 120 [3048] = +.4 [102] / -0 > 120 [3048] ≤ 300 [7620] = +.6 [152] / -0 > 300 [7620] = +.5% / -0 ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.		DESCRIPTION: UHF Male Connector Crimp/Non-Solder Contact Attachment for LMR-600, LMR-600-DB, PE-C600 ITEM NO.: EZ-600-UM-X CAGE CODE: 3FKR5 DRAWN BY: HBAKKE REV: A

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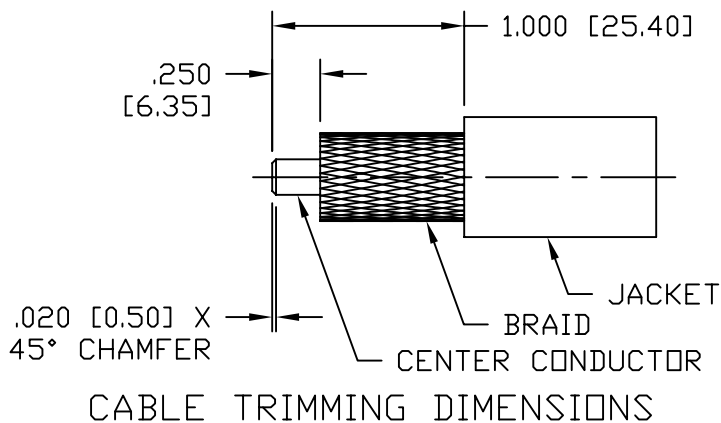
SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	K.A.M.	2/24/10	J.D.B.	3/11/10
B	CHANGED PER CDC #34322	D.J.H.	10/12/11	J.D.B.	10/27/11



HEAT SHRINK TUBING

NOTES:

- MATERIALS AND FINISHES:
BODY: BRASS, ALBALDY PLATING
COUPLING NUT: BRASS, ALBALDY PLATING
CENTER CONTACT: BERYLLIUM COPPER, GOLD PLATE
INSULATOR: PTFE, NATURAL
FERRULE: COPPER, ALBALDY PLATING
- ELECTRICAL:
IMPEDANCE: 50 OHMS NOMINAL
FREQUENCY: DC-6 GHz
VSWR: 1.2 DC-6 GHz
DIELECTRIC WITHSTANDING VOLTAGE: 1,500 VOLTS RMS
- MECHANICAL:
DURABILITY: 500 CYCLES MIN.
TEMPERATURE RANGE: -65°C TO +165°C
- CABLING INSTRUCTIONS:
A. SLIDE FERRULE OVER CABLE JACKET
B. TRIM CABLE TO DIMENSIONS SHOWN. MAKE SURE CUTS ARE SHARP AND SQUARE. DO NOT NICK BRAID OR CENTER CONDUCTOR.
C. FLAIR BRAID SLIGHTLY AND INSERT CABLE INTO BODY UNTIL BOTTOMED. (CONTACT SUPPLIED ASSEMBLED.) SLIDE THE FERRULE UP THE CABLE AND OVER THE BRAID UNTIL BOTTOMED ON BODY. CRIMP FERRULE USING A .612 HEX.



CABLE TRIMMING DIMENSIONS

MATL:		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 32 RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/64		DFTM. K. A. M.	TIMES MICROWAVE SYSTEMS			
				DATE 2/24/10				
USED ON: A				CHKD. J. D. B.	EZ-600-TM-X PLUG, TNC, EZ FOR LMR-600			
				DATE 3/11/10				
				APPD. J. D. B.				
SCALE: ~	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 3/11/10	SHEET 1 of 1	SD3190-2531	REV B	

TCOM-600 Low PIM Flexible Coax Cable Black PE Jacket

Times Microwave Systems Coax Cable Specification

TCOM-600 low PIM coax cable from Fairview Microwave is only one of many radio frequency coaxial cable types specifically stocked to be ready for quick shipment. Fairview Microwave's TCOM-600 coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This flexible 50 Ohm coax cable is constructed with a polyethylene jacket of 0.59-inch diameter. The maximum passive intermodulation of this low PIM cable is -155 dBc.

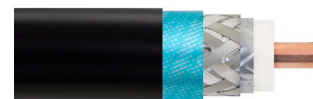
Fairview Microwave's TCOM-600 flexible coax cable with a polyethylene jacket is rated for a 10 GHz maximum operating frequency. This 50 Ohm flexible coax cable is built with a shield count of 2 and RF shielding of 100 dB. Our low PIM RF coaxial cable has a solid conductor of copper clad aluminum. This black-colored coax RF cable has a typical insertion loss/maximum attenuation of 10.6 dB/100ft at a frequency of 10 GHz.

The TCOM-600 coax cable with foam PE dielectric can operate at temperatures ranging from -40 to 85 degrees C. Additional specifications for this TCOM-600 double-shielded RF coaxial cable are on our downloadable PDF datasheet above. This coaxial cable features a dual shield of tinned copper braid over the silver plated copper braid. Our low PIM coaxial cable has a dielectric withstanding voltage of 4000 Vdc.

TCOM-600 low PIM RF cable is part of more than one million RF, microwave, and millimeter wave parts in stock at Fairview Microwave. This TCOM-600 coax cable is ready to buy and can be shipped worldwide. Fairview Microwave also maintains a wide selection of other radio frequency coaxial cable types that ship the same day from our Allen, TX warehouse in the United States, as with the rest of our other RF/microwave and millimeter wave components.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		87		%
Time Delay		1.17 [3.84]		ns/ft [ns/m]
Shielding Effectiveness	100			dB
Passive Intermodulation			-155	dBc
DWV (DC)			4,000	Vdc
Jacket Spark			8,000	Vrms
Inner Conductor DC Resist.			0.53	Ohms/1000ft
Outer Conductor DC Resist.			1.52	Ohms/1000ft
Nominal Capacitance		23.4		pF/ft
		[76.77]		[pF/m]
Nominal Inductance		0.058		uH/ft
		[0.19]		[uH/m]
Input Power (Peak)			40	kWatts



Configuration:

- Low PIM Flexible Cable
- 2 Shield(s)

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Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.15	0.22	0.45	0.9	1.5	GHz
Attenuation, Typ	1 3.28	1.2 3.94	1.8 5.91	2.6 8.53	3.5 11.48	dB/100ft dB/100m
Power In (CW), Max	2,280	1,860	1,280	880	660	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8	10	GHz
Attenuation, Typ	3.9 12.8	4.1 13.45	4.6 15.09	7.6 24.93	10.6 34.78	dB/100ft dB/100m
Power In (CW), Max	600	560	500	300	220	Watts

Mechanical Specifications

Diameter	0.59 in [14.99 mm]
Weight	0.137 lbs/ft [0.2 kg/m]
Min. Bend Radius (Installation)	1.5 in [38.1 mm]
Min. Bend Radius (Repeated)	6 in [152.4 mm]
Bending Moment	2.75 lbs-ft [3.73 N-m]
Tensile Strength	350 lbs [158.76 kg]
Flat Plate Crush	60 lbs/in [1.07 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum, 1 Strands	0.176 in [4.47 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.455 in [11.56 mm]
First Shield	Silver Plated Copper Braid	0.465 in [11.81 mm]
Second Shield	Tinned Copper Braid	0.5 in [12.7 mm]
Jacket	PE, Black	0.59 in [14.99 mm]

Environmental Specifications
Temperature

Operating Range	-40 to +85 deg C
Installation Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

TCOM-600 Low PIM Flexible Coax Cable Black PE Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [TCOM-600 Low PIM Flexible Coax Cable Black PE Jacket TCOM-600](#)

URL: <https://www.fairviewmicrowave.com/tcom600-low-pim-flexible-coax-cable-pe-jacket-tcom-600-p.aspx>

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