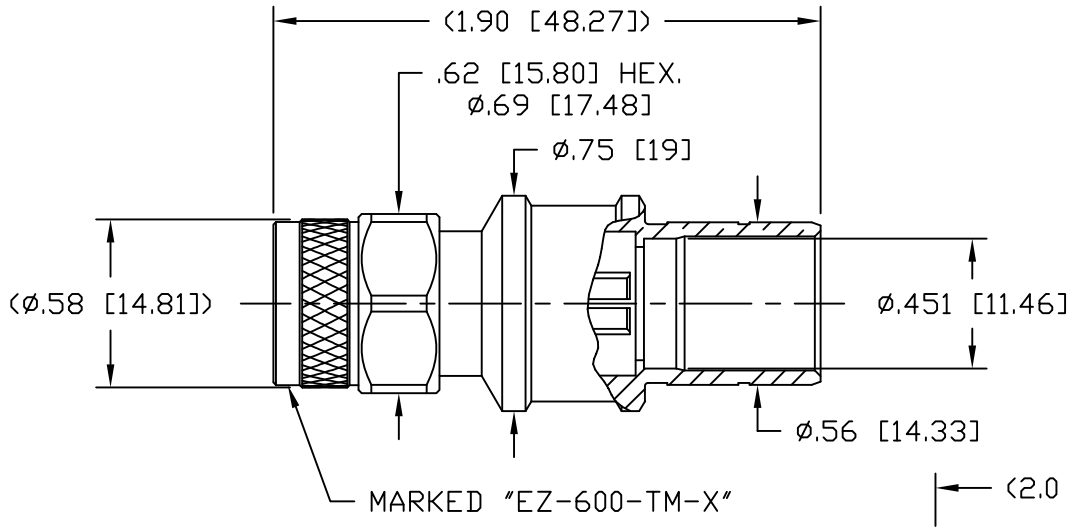
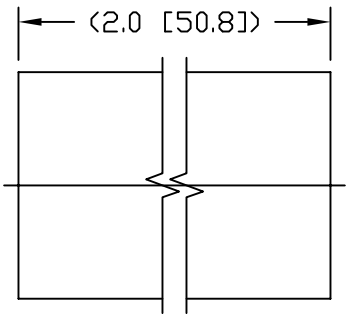
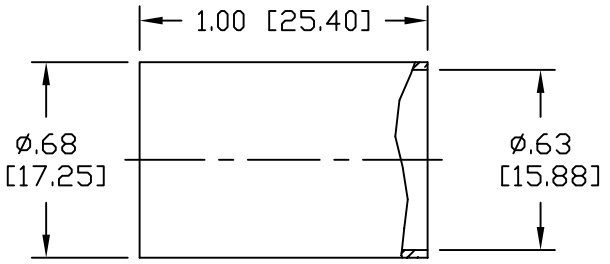
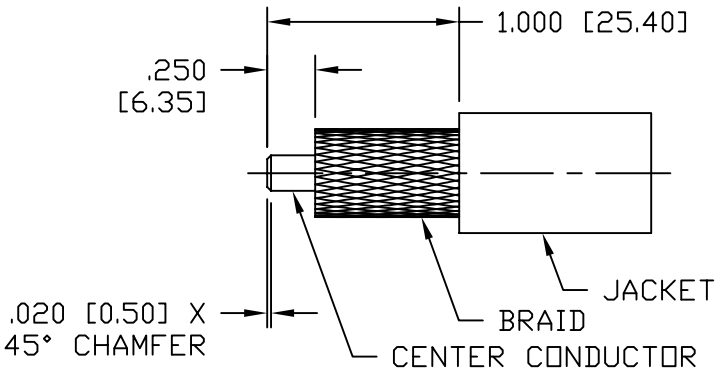
SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	K.A.M.	2/24/10	J.D.B.	3/11/10
B	CHANGED PER CDC #34322	D.J.H.	10/12/11	J.D.B.	10/27/11





HEAT SHRINK TUBING



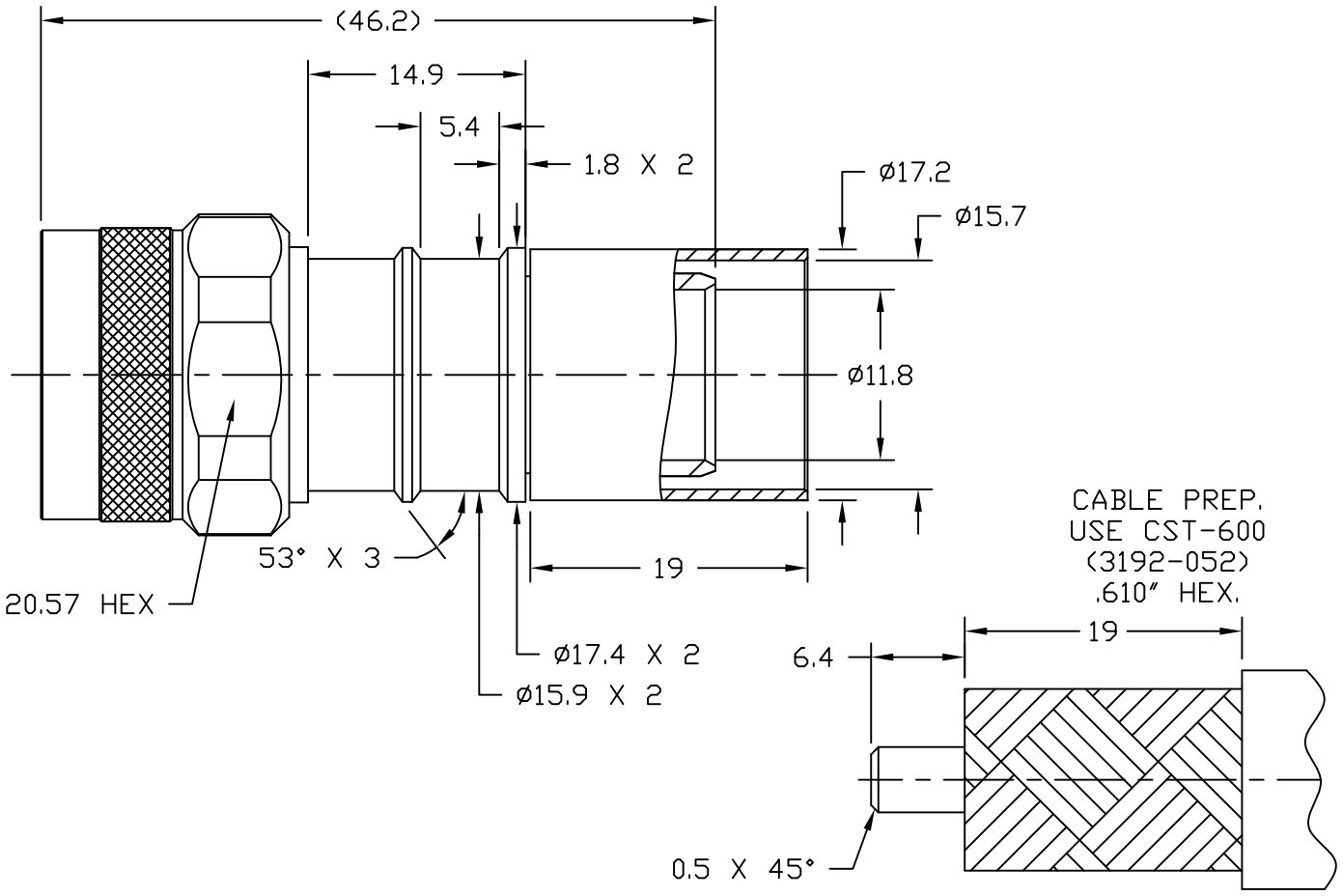


CABLE TRIMMING DIMENSIONS

NOTES:
1. MATERIALS AND FINISHES:
   BODY: BRASS, ALBALOY PLATING
   COUPLING NUT: BRASS, ALBALOY PLATING
   CENTER CONTACT: BERYLLIUM COPPER, GOLD PLATE
   INSULATOR: PTFE, NATURAL
   FERRULE: COPPER, ALBALOY PLATING
2. ELECTRICAL:
   IMPEDANCE: 50 OHMS NOMINAL
   FREQUENCY: DC-6 GHz
   VSWR: 1.2 DC-6 GHz
   DIELECTRIC WITHSTANDING VOLTAGE: 1,500 VOLTS RMS
3. MECHANICAL:
   DURABILITY: 500 CYCLES MIN.
   TEMPERATURE RANGE: -65°C TO +165°C
4. 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.

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. K. A. M.	TIMES MICROWAVE SYSTEMS
	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	DATE 2/24/10 CHKD. J. D. B. DATE 3/11/10 APPD. J. D. B.	**EZ-600-TM-X** PLUG, TNC, EZ FOR LMR-600
USED ON: A			
SCALE: ~ DWG. SIZE A	DO NOT SCALE DRAWING CODE IDENT 68999	DATE 3/11/10	SHT. 1 of 1 SD3190-2531 REV. B

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	D. J. H.	8/9/11	J. D. B.	8/16/11



Reference standard	IEC60169-16
I. Electric Performance	
Impedance(Ω):	50
Frequency Range:	DC-6GHz
VSWR:	≤1.25
Insert Loss: (dB)	≤0.1(DC-3GHz)
Insulation resistance (MΩ)	≥5000
Proof voltage (V)	2500
Conductor resistance (mΩ)	outer conductor <0.4
	inner conductor <0.8
II. Mechanical Performance	
Nut torque	5N.m
(Nut) Whorl pull	500N
Tensile force (cable-connect)	500N
Torsion (cable-connect)	5N.m

III. Material and plating:

Component	Material	Plating
inner conductor	Brass	Au50 micro inches over nickel 100 over copper
outer conductor	Brass	copper tin-zinc 100-150 micro inches
tube	Copper	copper tin-zinc 100-150 micro inches
nut	Brass	copper tin-zinc 100-150 micro inches
gasket	Silicone rubber	
insulator	PTFE	

IV. Environment	
Temp. range	-55℃~+155℃
Weather standard	IEC 60068 55 / 155/ 56
Thermal shock	US MIL-STD 202,Meth.107,Cond.B
Vibration	US MIL-STD 202,Meth.204,Cond.B
Shock	US MIL-STD 202,Meth.213,Cond.I
Waterproofing standard IP67	

V. Assembly: inner conductor installed and outer conductor crimped.

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. D. J. H.	TIMES MICROWAVE SYSTEMS	
	ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS N/A MAX. BREAK MACHINE CORNERS N/A MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± N/A .XXX ± N/A ANGLES ± 1° FRACTIONS ± N/A	DATE 8/9/11		
USED ON: 0		CHKD. J. D. B.	**EZ-600-NMH-X**	
		DATE 8/16/11	"N" MALE FOR LMR-600 CABLE EZ/CRIMP/NO BRAID TRIM	
SCALE: N/A	DWG. SIZE A / DO NOT SCALE DRAWING / CODE IDENT 68999	APPD. J. D. B.		
		DATE 8/16/11	SHT. 1 of 1	SD3190-2627 REV. A

Times Microwave LMR-600 Low Loss Flexible Coax Cable Black PE Jacket

LMR-600

TIMES MICROWAVE SYSTEMS
An Amphenol Company

Times Microwave Systems Connector Specification

Configuration

- Low Loss, Outdoor Flexible Cable
- 2 Shield(s)

Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 87% VoP

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

LMR-600 coax cable from Fairview is only one of a large number of radio frequency twinaxial and coaxial cable types specifically stocked to be ready for quick shipment. Fairview Microwave LMR-600 coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss flexible 50 Ohm coax cable LMR-600 is constructed with a 0.59 inch diameter and PE jacket.

LMR-600 flexible 50 Ohm coax cable with PE jacket is rated for a 8 GHz maximum operating frequency. This 50 Ohm 0.59 inch diameter and low loss flexible coax cable is built with a shield count of 2 and RF shielding of 90 dB.

Fairview Microwave LMR-600 coax is constructed with PE (F) dielectric and a maximum operating temperature of 85 degrees C. Times Microwave LMR-600 coax cable specs for this wire properties can be found on its RF coax cable LMR-600 datasheet PDF specifications above.

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

* LMR™ is a trademark of Times Microwave Systems.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Cutoff Frequency		10.3		GHz
Impedance		50		Ohms
Velocity of Propagation		87		%
Time Delay		1.17 [3.84]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			4,000	Vdc
Jacket Spark			8,000	Vrms
Inner Conductor DC Resistance			0.53	Ohms/1000ft

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Times Microwave LMR-600 Low Loss Flexible Coax Cable Black PE Jacket

LMR-600

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Outer Conductor DC Resistance			1.2	Ohms/1000ft
Nominal Capacitance		23.4 [76.77]		pF/ft [pF/m]
Nominal Inductance		0.058 [0.19]		uH/ft [uH/m]
Input Power (Peak)			40	kWatts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	0.5	1	1.2	1.7	2.5	dB/100ft
	1.64	3.28	3.94	5.58	8.2	dB/100m
Input Power (CW), Max	4,240	2,410	1,970	1,350	930	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	3.3	3.7	3.9	4.4	7.3	dB/100ft
	10.83	12.14	12.8	14.44	23.95	dB/100m
Input Power (CW), Max	700	630	590	520	320	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 Strand	0.176 in [4.47 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.455 in [11.56 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	PE, Black	0.59 in [14.99 mm]

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Times Microwave LMR-600 Low Loss Flexible Coax Cable Black PE Jacket

LMR-600

Environmental Specifications

Temperature

Operating 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:

Times Microwave LMR-600 Low Loss Flexible Coax Cable Black PE Jacket 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: Times Microwave LMR-600 Low Loss Flexible Coax Cable Black PE Jacket LMR-600

URL: https://www.fairviewmicrowave.com/lmr600-low-loss-flexible-coax-cable-pe-jacket-lmr-600-p.aspx

LMR-600 CAD Drawing

Times Microwave LMR-600 Low Loss Flexible Coax Cable Black PE Jacket