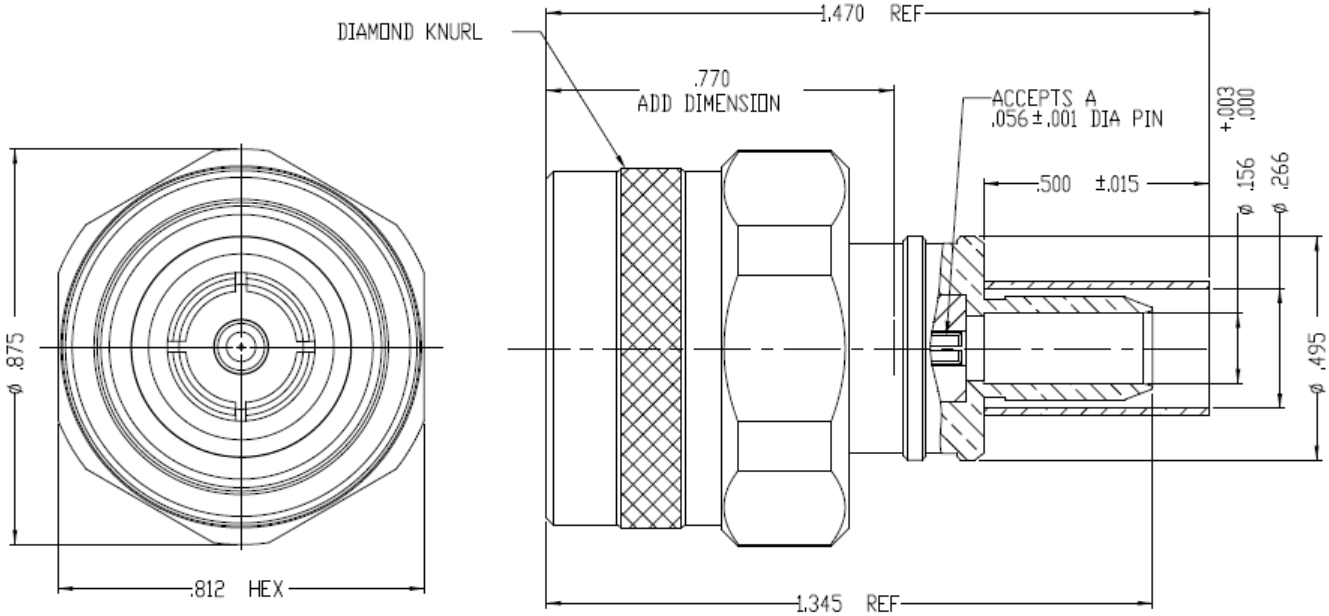
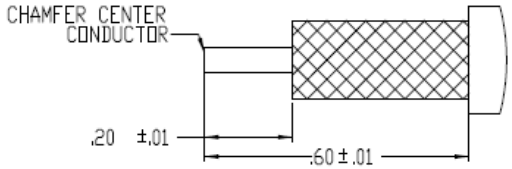
SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	9/4/13	J.D.B.	9/10/13





RECOMMENDED STRIP DIMENSIONS

NOTES:

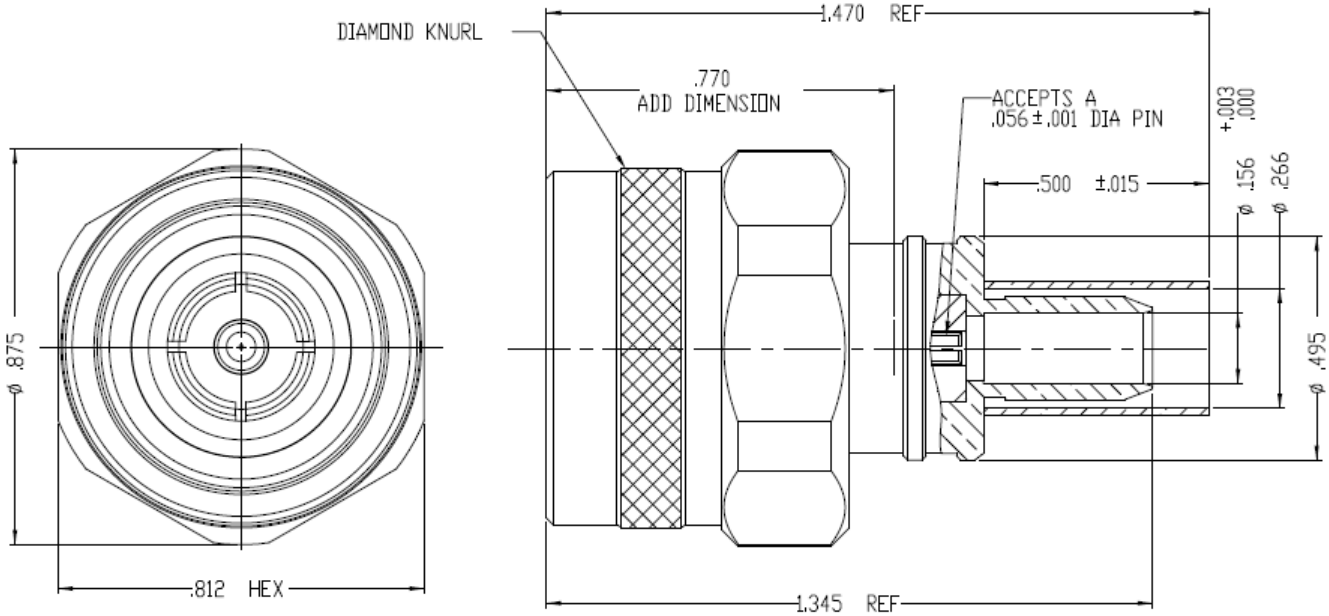
1. ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.

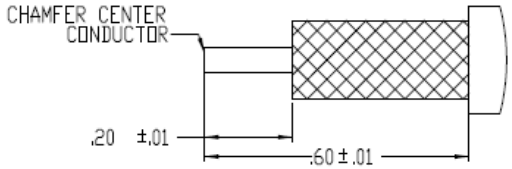
2. MATERIAL:
   BODY, FINGERS, HEX NUT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02
   INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A
   GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER
   SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)
   CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD
   CONTACT - BERYLLIUM COPPER PER ASTM B196, C17300 ALLOY, CONDITION HT
   LOCKING RING - PHOSPHOR BRONZE PER ASTM B139, C54400 ALLOY, TEMPER HD

3. FINISH:
   CONTACT - GOLD PLATE PER ASTM B488
   LOCKING RING - NOT PLATED
   CRIMP SLEEVE - SULFAMATE NICKEL PER MIL-P-27418
   ALL OTHER METAL PARTS - ALBALOY PLATE PER DELTA SPEC. 111197

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. N. N. N	TIMES MICROWAVE SYSTEMS
USED ON: —	ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 63 RMS MAX. REMOVE ALL BURRS .004 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ±.01 .XXX ±.005 ANGLES ± 1° FRACTIONS ± 1/64	DATE 9/4/13 CHKD. J. D. B. DATE 9/10/13 APPD. J. D. B.	EZ-240-NMH-X CONNECTOR ASSEMBLY NM for LMR-240
SCALE: NONE DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 9/10/13	SHT 1 of 1	SD3190-2893	REV A

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	9/4/13	J.D.B.	9/10/13





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   GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER
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   CONTACT - BERYLLIUM COPPER PER ASTM B196, C17300 ALLOY, CONDITION HT
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MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. N. N. N	TIMES MICROWAVE SYSTEMS
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SCALE: NONE DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 9/10/13	SHT 1 of 1	SD3190-2893	REV A

Times Microwave LMR-240-DB Low Loss Flexible Coax Cable Black PE Jacket

LMR-240-DB

TIMES MICROWAVE SYSTEMS
An Amphenol Company

Times Microwave Systems Connector Specification

Configuration

- Low Loss Flexible Cable
- 2 Shield(s)

Features

- Easily Routed
- Low Loss Cable
- RF Shielding > 90dB
- Designed for Outdoor Use
- Watertight

Applications

- Jumper Assemblies
- Short Antenna Feeder Runs
- Wireless Communications

Description

LMR-240-DB 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-240-DB coax cable is manufactured in a flexible design and has a 50 Ohm impedance.This low loss flexible 50 Ohm coax cable LMR-240-DB is constructed with a 0.24 inch diameter and PE jacket.

LMR-240-DB flexible 50 Ohm coax cable with PE jacket is rated for a 8 GHz maximum operating frequency. This 50 Ohm 0.24 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-240-DB coax is constructed with PE (F) dielectric and a maximum operating temperature of 85 degrees C. Times Microwave LMR-240-DB coax cable specs for this wire properties can be found on its RF coax cable LMR-240-DB datasheet PDF specifications above.

LMR-240-DB cable is part of more than one million RF, microwave and millimeter wave parts in stock at Fairview. This Times Microwave low loss LMR-240-DB 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
Impedance		50		Ohms
Velocity of Propagation		84		%
Time Delay		1.21 [3.97]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,500	Vdc
Jacket Spark			5,000	Vrms

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Times Microwave LMR-240-DB Low Loss Flexible Coax Cable Black PE Jacket

LMR-240-DB

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Inner Conductor DC Resistance			3.2	Ohms/1000ft
Outer Conductor DC Resistance			3.89	Ohms/1000ft
Nominal Capacitance		24.2 [79.4]		pF/ft [pF/m]
Nominal Inductance		0.06 [0.2]		uH/ft [uH/m]
Input Power (Peak)			5.6	kWatts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	1.7	3	3.7	5.3	7.6	dB/100ft
	5.58	9.84	12.14	17.39	24.93	dB/100m
Input Power (CW), Max	1,150	660	540	380	260	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	9.9	10.9	11.5	12.9	20.4	dB/100ft
	32.48	35.76	37.73	42.32	66.93	dB/100m
Input Power (CW), Max	200	180	170	150	100	Watts

Electrical Specification Notes:
Values at 25°C, sea level.
Attenuation = 0.242080*sqrt(FMHz) + 0.000330

Mechanical Specifications

Diameter	0.24 in [6.1 mm}
Weight	0.034 lbs/ft [0.05 kg/m]
Min. Bend Radius (Installation)	0.75 in [19.05 mm]
Min. Bend Radius (Repeated)	2.5 in [63.5 mm]
Bending Moment	0.25 lbs-ft [0.34 N-m]
Tensile Strength	80 lbs [36.29 kg]
Flat Plate Crush	20 lbs/in [0.36 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.056 in [1.42 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.15 in [3.81 mm]
First Shield	Aluminum Tape	0.155 in [3.94 mm]

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Times Microwave LMR-240-DB Low Loss Flexible Coax Cable Black PE Jacket

LMR-240-DB

Construction Specifications

Description	Material and Plating	Diameter
Second Shield	Tinned Copper Braid	0.178 in [4.52 mm]
Jacket	PE, Black	0.24 in [6.1 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

Environmental Specification Notes:
Designed for indoor and outdoor use.

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Times Microwave LMR-240-DB 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-240-DB Low Loss Flexible Coax Cable Black PE Jacket LMR-240-DB

URL: https://www.fairviewmicrowave.com/lmr240db-low-loss-flexible-coax-cable-pe-jacket-lmr-240-db-p.aspx

LMR-240-DB CAD Drawing

Times Microwave LMR-240-DB Low Loss Flexible Coax Cable Black PE Jacket