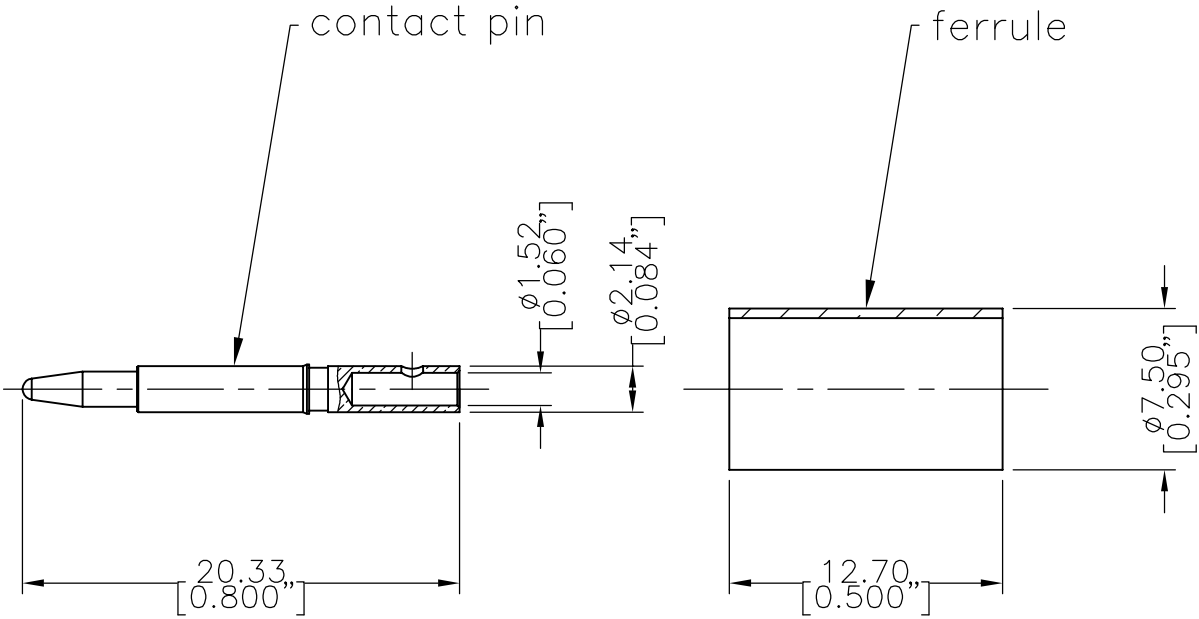
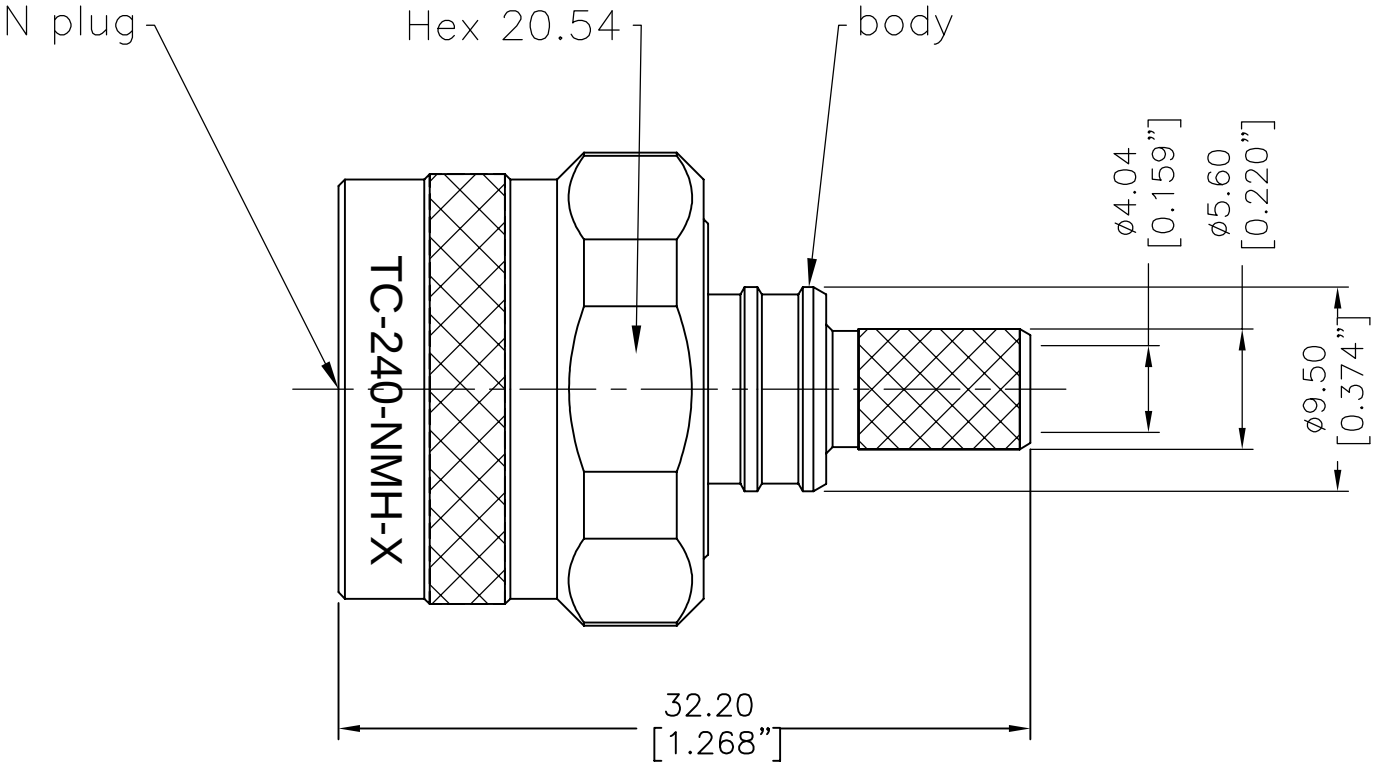


SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	APPD
A	RELEASED FOR PRODUCTION	Joslen	2017.08.11	TZ	2017.08.11
A1	Change inner pin dimension	Joslen	2017/12/01	TZ	2017/12/01



I. MATERIALS & FINISHES

Components	Materials	Finishes	Thk. (μ")
Body	Brass	Albaloy	80
Center Cont.	Brass	Gold	50
Ferrule	Brass	Albaloy	80
Nut	Brass	Albaloy	80
Insulator	PTFE	--	--
Gaskt	Silicone	--	--

III. ENVIRONMENT PROPERTIES

Temperature Range:	-40°c~+125°c
Thermal Shock:	MIL-STD 202G, Meth.107, Cond.B
Vibration:	MIL-STD 202G, Meth.204, Cond.B
Shock:	MIL-STD 202G, Meth.213, Cond I
Climatic Class:	IEC 60068 55/155/56
(2002/95/EC)RoHS:	Compliant

V. TOOLING

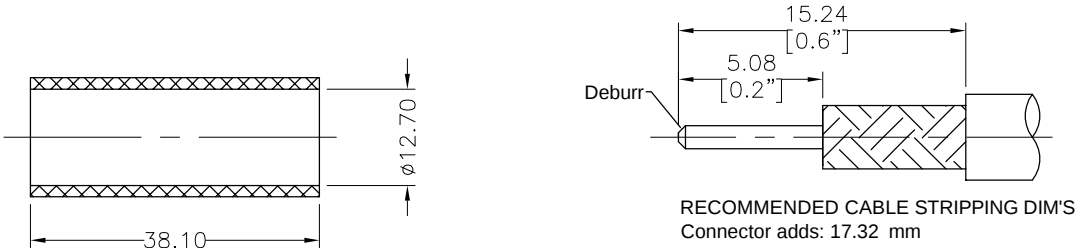
Stripping Tool: 3192-152/CST-240A
Crimping Tool: 3190-667/CT-240/200/100

II. ELECTRICAL PROPERTIES

Impedance (Ω):	50
Frequency Range (GHz):	DC to 6 GHz
Working Voltage (V):	2500
Insulation Resistance (MΩ):	≥10000
VSWR:	≤1.30
Insertion Loss(dB, f/GHz):	-0.1x √f

IV. MECHANICAL PROPERTIES

Center Cont.:	Solder
Outer Cont.:	Crimp
Coupling Nut Torque (N.m):	1.7
Cbl-Connector Retention Force (N):	250
Durability (cycles):	500



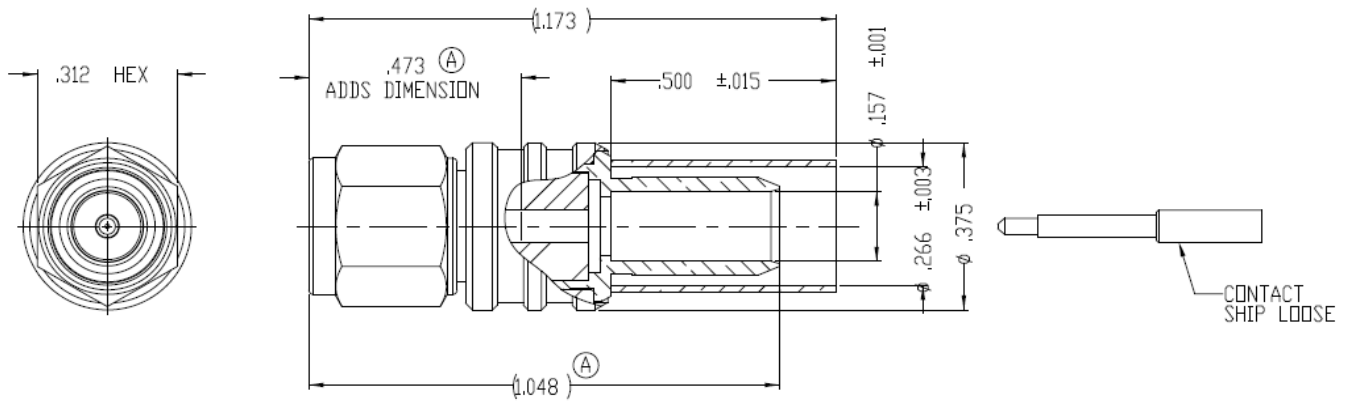
Shrink Tube (1/2"x1.5" 3:1)

According to Standard: IEC 61169-16

MATL:		UNLESS OTHERWISE SPECIFIED			DFTM. Joslen		 TC-240-NMH-X Type N Male (Plug) Straight Solder Pin No Braid Trim Connector for LMR-240 Cable			
					DATE 2017/12/01					
					CHKD KG					
					DATE 2017/12/01					
USED ON: O		ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH 1.6 RMS MAX. REMOVE ALL BURRS 0.15X45° MAX. BREAK MACHINE CORNERS 0.15X45° D MAX. FILLET R. TOLERANCES ON DECIMALS .X ±0.3 .XX ±0.15 ANGLES ±2° FRACTIONS ± N/A			APPD TZ					
SCALE: N/A	DWG SIZE A4	DO NOT SCALE DRAWING		CODE IDENT	68999	DATE 2017/12/01	SHT 1 OF 1	3190-6381		REV A1

NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

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



NOTES:

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

2. MATERIAL:

CLAMP & CONTACT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02
 BODY, CNUT - STAINLESS STEEL PER ASTM 582, S30300 ALLOY, COND. A
 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 & LOCKING RING - BERYLLIUM COPPER PER ASTM B196, C17300 ALLOY, CONDITION HT

3. FINISH:

CONTACT - GOLD PLATE PER ASTM B488
 CRIMP SLEEVE - SULFAMATE NICKEL PER MIL-P-27418
 CLAMP - NICKEL PLATE PER AMS-QQ-N-290
 C'NUT & BODY - PASSIVATE PER SAE-AMS-2700

MATL:		UNLESS OTHERWISE SPECIFIED		DFTM. N. N. N		TIMES MICROWAVE SYSTEMS			
		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					
USED ON: A				CHKD. J. D. B.		TC-240-SM-SS-X CONNECTOR ASSEMBLY SMAM for LMR-240			
				DATE 9/10/13					
				APPD. J. D. B.					
SCALE: NONE	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 9/10/13	SHEET 1 of 1	SD3190-2898	REV A		

TCOM-240 Low PIM Flexible Coax Cable Black PE Jacket

Times Microwave Systems Coax Cable Specification

TCOM-240 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-240 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 0.24-inch diameter. The maximum passive intermodulation of this low PIM cable is -155 dBc.

Fairview Microwave's TCOM-240 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. This black-colored coax RF cable has a typical insertion loss/maximum attenuation of 26.2 dB/100ft at a frequency of 10 GHz.

The TCOM-240 coax cable with foam PE dielectric can operate at temperatures ranging from -40 to 85 degrees C. Additional specifications for this TCOM-240 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 1500 Vdc.

TCOM-240 low PIM RF cable is part of more than one million RF, microwave, and millimeter wave parts in stock at Fairview Microwave. This TCOM-240 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		84		%
Time Delay		1.21 [3.97]		ns/ft [ns/m]
Shielding Effectiveness	100			dB
Passive Intermodulation			-155	dBc
DWV (DC)			1,500	Vdc
Jacket Spark			5,000	Vrms
Inner Conductor DC Resist.			3.2	Ohms/1000ft
Outer Conductor DC Resist.			2.06	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



Configuration:

- Low PIM Flexible Cable
- 2 Shield(s)

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

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	2.9	3.5	5	7.2	9.4	dB/100ft
	9.51	11.48	16.4	23.62	30.84	dB/100m
Power In (CW), Max	700	570	400	280	210	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8	10	GHz
Attenuation, Typ	10.3	10.9	12.3	19.4	26.2	dB/100ft
	33.79	35.76	40.35	63.65	85.96	dB/100m
Power In (CW), Max	190	180	160	100	70	Watts

Mechanical Specifications

Diameter	0.24 in [6.1 mm]
Weight	0.03 lbs/ft [0.04 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 Strands	0.056 in [1.42 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.15 in [3.81 mm]
First Shield	Silver Plated Copper Braid	0.16 in [4.06 mm]
Second Shield	Tinned Copper Braid	0.188 in [4.78 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

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

Plotted and Other Data

Notes:

TCOM-240 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-240 Low PIM Flexible Coax Cable Black PE Jacket TCOM-240](#)

URL: <https://www.fairviewmicrowave.com/tcom240-low-pim-flexible-coax-cable-pe-jacket-tcom-240-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.



