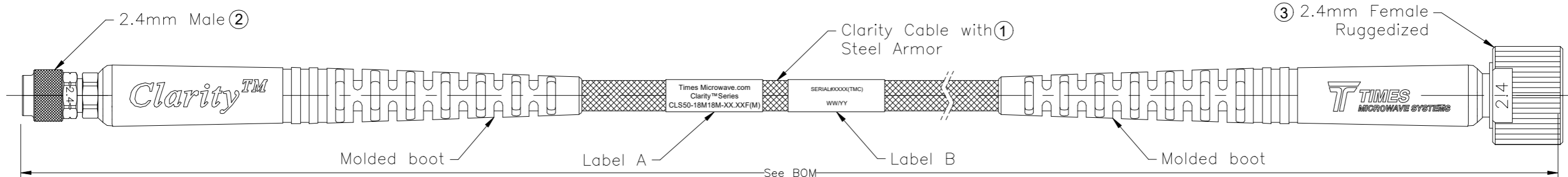


**NOTICE OF PROPRIETARY RIGHTS** THIS DOCUMENT CONTAINS CONFIDENTIAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT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

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
-	Preliminary	TZ	2021/08/27	JM	2021/08/27



1. RF test requirements:

- 1.1. VSWR: 1.35 Max @ 50GHz
- 1.2. Loss: See BOM

2. Connector Specification

- 2.1. Frequency range : DC ~ 50GHz
- 2.2. Impedance : 50 Ohm Nom.

2.3. Material and Finish

- 2.3.1. Body & Hex Nut : Passivated Stainless Steel
- 2.3.2. Insulator : PTFE & ULTEM
- 2.3.3. Center contact & Pin : Gold plated Beryllium copper
- 2.3.4. Solder Body : Gold plated Brass
- 2.3.5. Bush : Passivated Stainless Steel
- 2.3.6. Lock ring : Beryllium Copper
- 2.3.7. Clamp nut : Nickel plated Brass
- 2.3.8. O-ring : Silicone Rubber

3. Cable Specification

- 3.1. Center Conductor: Silver Plated Copper Clad Steel Wire
- 3.2. Dielectric: Solid TF4
- 3.3. Outer Conductor: Silver Plated Copper Tape  
Silver Plated Copper Braids
- 3.4. Jacket: FEP
- 3.5. Armor: Steel Spring Armor with PTFE Braids

4. RoHS Compliant

Label A:

Times Microwave.com  
Clarity™ Series  
CLS50-24M2RF-XX.XXF(M)

Label B:

SERIAL#XXXX(TMC)  
WW/YY

No.	Configuration	Length	IL Max (@50GHz)
1	CLS50-24M2RF-01.00M	1m +/-0.02m	6.63 dB
2			

6			
5			
4			
3	3190-6567	2.4mm Female Ruggedized Connector	1 pce
2	3190-6566	2.4mm Male Connector	1 pce
1	170020+52115	Clarity 50GHz Cable with Steel Armor	See BOM
Item	Part Number	Description	Qty

MATL:	UNLESS OTHERWISE SPECIFIED		DFTM. TZ	 <b>CL S50-24M2RF-XX.XXF(M)</b>	
	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		DATE 2021/08/27		
USED ON: O			CHKD KS		
			DATE 2021/08/27		
SCALE: N/A	DWG SIZE A4	DO NOT SCALE DRAWING	CODE IDENT 68999	APPD JM	
			DATE 2021/08/27	SHT 1 OF 1	R E V -