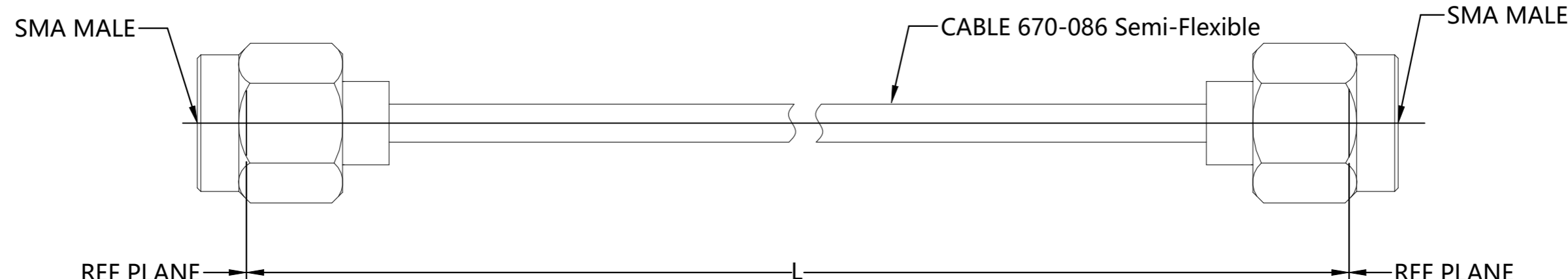


REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
A		ECN-24-256312;GTP	18MAR2024	TP WH

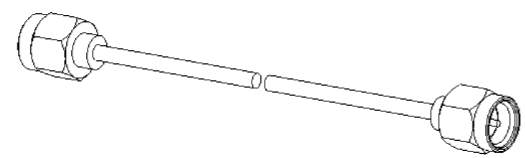


NOTES:

- ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED;
- ELECTRICAL CHARACTERISTICS :
 FREQUENCY RANGE : DC-18 GHz
 NOMINAL IMPEDANCE : 50 OHMS
 INSULATION RESISTANCE : >5000 MOHMS
 WORKING VOLTAGE : 335 VRMS MAX
 DIELECTRIC WITHSTANDING VOLTAGE : >1000 VOLTS
- MECHANICAL CHARACTERISTICS :
 DURABILITY : 500 CYCLES
 CABLE RETENTION FORCE : >20lbs
 CABLE STATIC BENDING RADIUS : >6 MM
- TEMPERATURE RANGE: -55°-+125°
- RoHS: COMPLIANT.
- CONNECTOR SIDE A & B
 CENTER CONTACT: BRASS, 30 MICROINCHES GOLD PLATED,
 100 MICROINCHES OVER NICKEL UNDERPLATED, 50 MICROINCHES OVER
 COPPER UNDERPLATED
 INSULATION: PTFE
 BODY: BRASS, 3 MICROINCHES GOLD PLATED, 100 MICROINCHES
 OVER NICKEL UNDERPLATED, 50 MICROINCHES OVER COPPER
 UNDERPLATED.
- CABLE 670-086 (DETAIL REFER TO SHEET 2)

QTY	UNIT	DESCRIPTION	ITEM										
1	1	SMA MALE CONNECTOR	3										
254.0	609.6	CABLE 670-086 (Semi Flexible)	2										
1	1	SMA MALE CONNECTOR	1										
1-0	-9	-8	-7	-6	-5	-4	-3	-2	-1	U/N	TEPN	DESCRIPTION	ITEM

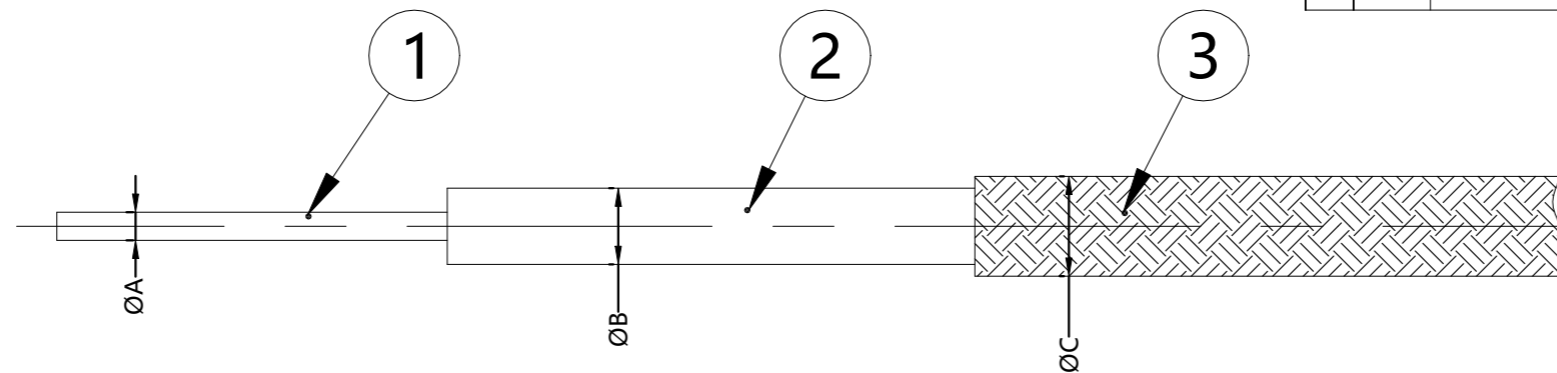
TEPN	L(mm)	IL(MAX)	VSWR
2480661-1	76.2±1.2	0.69 dB(DC-18GHz)	1.28 MAX(DC-18GHz)
2480661-2	101.6±1.2	0.76 dB(DC-18GHz)	1.28 MAX(DC-18GHz)
2480661-3	127.0±2.5	0.85 dB(DC-18GHz)	1.28 MAX(DC-18GHz)
2480661-4	152.4±2.5	0.93 dB(DC-18GHz)	1.28 MAX(DC-18GHz)
2480661-5	177.8±2.5	1.02 dB(DC-18GHz)	1.28 MAX(DC-18GHz)
2480661-6	203.2±2.5	1.15 dB(DC-18GHz)	1.28 MAX(DC-18GHz)
2480661-7	304.8±3.8	1.50 dB(DC-18GHz)	1.28 MAX(DC-18GHz)
2480661-8	457.2±3.8	2.05 dB(DC-18GHz)	1.28 MAX(DC-18GHz)
2480661-9	609.6±3.8	2.60 dB(DC-18GHz)	1.28 MAX(DC-18GHz)
1-2480661-0	254.0±2.5	1.33 dB(DC-18GHz)	1.28 MAX(DC-18GHz)



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 5 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± 5	DWN TP 11JAN2024	STE TE Connectivity
	MATERIAL SEE TABLE	CHK ED 11JAN2024	
		APVD WH 11JAN2024	
		PRODUCT SPEC	NAME SMA M TO SMA M ST Hand Formable
		APPLICATION SPEC	RESTRICTED TO
		WEIGHT 0	SIZE A3 CAGE CODE 00779 DRAWING NO C-2480661
		CUSTOMER DRAWING	SCALE 1:1 SHEET 1 OF 2 REV A

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



NOTES:
attenuation
(25°C room temperature test conditions)

Frequency(GHz)	Attenuation (dB/m)
0.5	0.45
1.0	0.64
5.0	1.51
10	2.22
20	3.29

ELECTRICAL CHARACTERISTICS

Capacitance(pF/m)	95
Impedance(Ω)	50
Transmission rate (%)	70
Cut-off frequency (GHz)	61
Delay (ns/m)	4.7
Dielectric withstanding voltage(Kvrms)	1.5

MECHANICAL CHARACTERISTICS

Min.bending radius static (mm)	6
Min.bending radius static (mm)	20
Operating temperature (°C)	-55~+125

Non-magnetic requirements:
Magnetic inductance intensity < 10mGs

3	Outer conductor	Braided tin-dipped copper wire	$\text{ØC}=2.15\pm 0.05$
2	INSULATOR	PTFE	$\text{ØB}=1.65\pm 0.03$
1	Inner conductor	Silver plated copper clad steel wire	$\text{ØA}=0.52\pm 0.02$
NO.	DESCRIPTION	MATERIAL	DIAMETER(mm)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP 11JAN2024	TE Connectivity			
DIMENSIONS: mm		CHK ED 11JAN2024				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD WH 11JAN2024	NAME SMA M TO SMA M ST Hand Formable			
0 PLC ± 5 1 PLC $\pm -$ 2 PLC $\pm -$ 3 PLC $\pm -$ 4 PLC $\pm -$ ANGLES ± 5		PRODUCT SPEC	-			
MATERIAL SEE TABLE		FINISH -	-			
		SEE NOTES				
		APPLICATION SPEC				
		WEIGHT 0	SIZE A3	CAGE CODE 00779	DRAWING NO C-2480661	RESTRICTED TO -
		CUSTOMER DRAWING	SCALE 1:1	SHEET 2 OF 2	REV A	

Mouser Electronics

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[TE Connectivity:](#)

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[2480661-8](#)