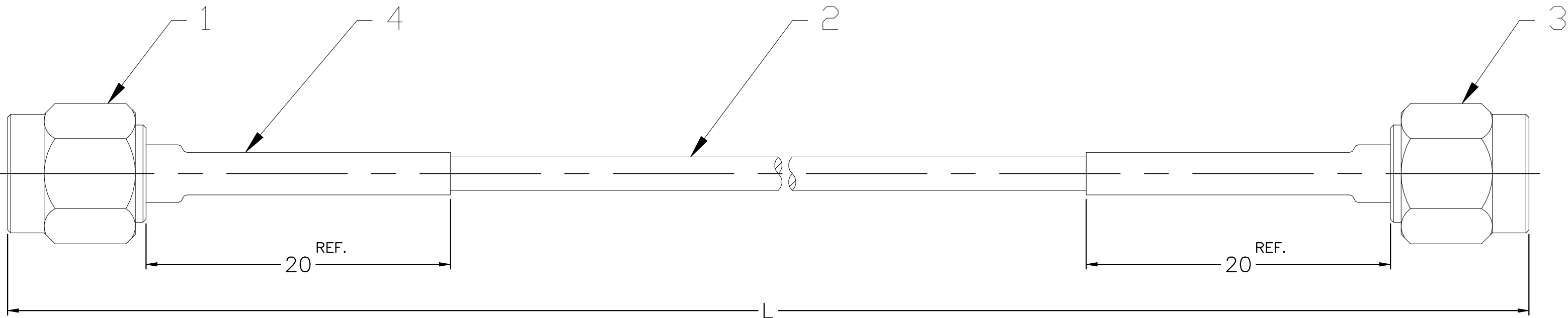


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	REVISED PER ECN-24-267976	30MAY2024	ED	WH

NOTES:

- 1 PACK IN ACCORDANCE WITH TE SPEC 107-3275;
- 2 ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED;
- 3 RoHS: COMPLIANT;
- 4 CABLE(MRG-405SS) SPEC IS IN PAGE 2.

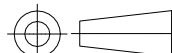


SPECIFICATIONS:

1. IMPEDANCE: 50Ω
2. FREQUENCY: DC to 18GHz
3. VSWR/RL: 1.3 max./ 17.7dB min.
4. INSERTION LOSS: SEE TABLE
5. TEMPERATURE RANGE: -45°C TO +125°C
6. DURABILITY: 500 cycles min.
7. CONNECTOR A: SMA SEMI-RIGID PLUG
CENTER CONTACT: BRASS/3 MICROINCHES GOLD PLATED
OVER NICKEL UNDERPLATED OVER COPPER UNDERPALTED
INSULATOR: PTFE
BODY: BRASS/3 MICROINCHES GOLD PLATED OVER NICKEL UNDERPLATED
OVER COPPER UNDERPALTED

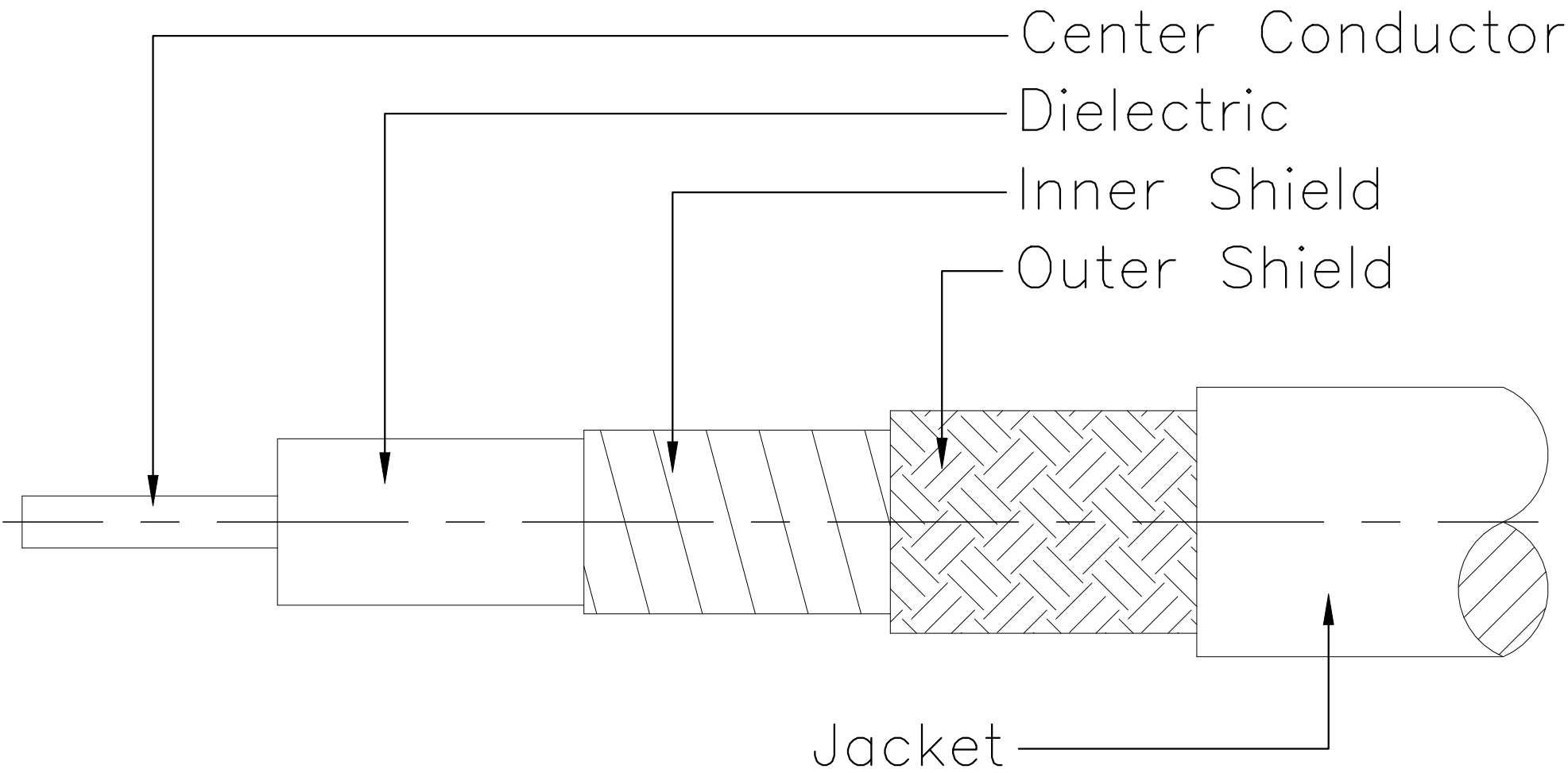
TEPN	L(mm)	IL(MAX)	VSWR
2479976-1	304.8±5	1.57dB(DC-18GHz)	1.3 MAX(DC-18GHz)
2479976-2	609.6±8	2.66dB(DC-18GHz)	1.3 MAX(DC-18GHz)
2479976-3	914.4±8	3.75dB(DC-18GHz)	1.3 MAX(DC-18GHz)
2479976-4	1219.2±10	4.83dB(DC-18GHz)	1.3 MAX(DC-18GHz)
2479976-5	1524±15	5.92dB(DC-18GHz)	1.3 MAX(DC-18GHz)
2479976-6	1828.8±15	7.00dB(DC-18GHz)	1.3 MAX(DC-18GHz)
2479976-7	3048±20	11.36dB(DC-18GHz)	1.3 MAX(DC-18GHz)

2	2	2	2	2	2	2	PC	/	HEAT SHRINK(BLACK)(20mm)	4
1	1	1	1	1	1	1	PC	/	SMA MALE CONNECTOR	3
3048	1828.8	1524	1219.2	914.4	609.6	304.8	mm	/	MRG-405SS CABLE,BLUE	2
1	1	1	1	1	1	1	PC	/	SMA MALE CONNECTOR	1
-7	-6	-5	-4	-3	-2	-1	U/N	TEPN	DESCRIPTION	ITEM

QUANTITY PER ASSY				PARTS LIST												
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN ED	02JAN2024			TE Connectivity								
				CHK ED	02JAN2024											
DIMENSIONS: mm		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APVD WH	02JAN2024							NAME SMA CABLE ASSEMBLY,MALE TO MALE, MRG-405SS CABLE,DC-18GHZ —				
		0 PLC ± 5		PRODUCT SPEC												
		1 PLC ± —		—												
		2 PLC ± —		APPLICATION SPEC												
		3 PLC ± —		—												
		4 PLC ± —					SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO			
MATERIAL		FINISH		WEIGHT			A2		00779		C=2479976		—			
SEE TABLE		—		CUSTOMER DRAWING					SCALE		8:1		SHEET 1 of 2		REV A2	

MRG-405SS CABLE SPEC

Construction:



Material and Diameter:

Item	Material	Diameter (mm)	Remark
Center Conductor	Silver Plated Copper Clad Steel Wire	0.51	Solid
Dielectric	PTFE	1.63	Solid
Inner Shield	Silver Plated Copper Strip	1.80	Wrapping
Outer Shield	Silver Plated Copper Wire	2.18	Braid
Jacket	FEP	2.64	Blue Color

Performance :

Item	Value
Characteristic Impedance	50 ohms (Normal)
Operating Frequency	20 GHz (Max.)
Velocity of Propagation	70 %
Capacitance	96 pF/m
Operating Temperature	-55°C ~ 200°C
Shield Effectiveness	> -100 dB
Working Voltage	1,500 Vrms (Max.)
Weight	19.1 Kg/Km
Min. Bending Radius	6 mm (Single)

Attenuation :

Frequency (GHz)	Max. Attenuation	
	(dB/m)	(dB/ft)
1	0.75	0.229
3	1.29	0.393
5	1.71	0.521
10	2.56	0.780
15	3.22	0.981
18	3.57	1.088
20	3.80	1.158

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

MATERIAL
SEE TABLE

TOLERANCES, UNLESS OTHERWISE SPECIFIED:

0 PLC ± 5
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± 5°
FINISH -

DWN
ED
02JAN2024

CHK
ED
02JAN2024

APVD
WH
02JAN2024

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

NAME
SMA CABLE ASSEMBLY,MALE TO MALE,
MRG-405SS CABLE,DC-18GHZ
-

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=2479976

RESTRICTED TO
-

SCALE
8:1

SHEET
2 OF 2

REV
A2