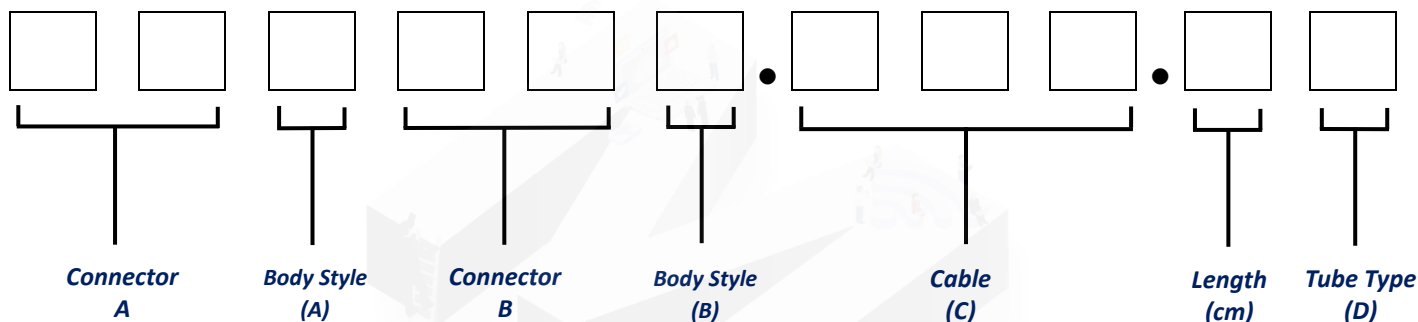




STANDARD COAXIAL CABLE ASSEMBLIES

MVE standard coaxial cable can provide not only inexpensive cost but also a lot of variety models to meet your needs. The overall diameter of flexible series is including, 2.59mm(RG316) , 2.93mm(RG316 Double Shielding), 0.085inch(F085/SS405), 0.141inch(F141/SS402); Semi-flex series are including: 0.085 inch(SF085/RG405), 0.141inch(SF141/RG402); Semi-rigid series are including: 0.034inch(SR034), 0.047 inch(SR047);0.085 inch(SR085); 0.141inch (SR141). In the meantime, MVE can offer customized services and support the optimization of cable assembly. With MVE service, customize product to let user easy to install. MVE is aimed to provide a wide range of performance coaxial cable for various demands.



No	Conn. A/B
10	1.85mm-M
11	1.85mm-F
12	2.4mm-M
13	2.4mm-F
14	2.9mm-M
15	2.9mm-F
16	3.5mm-M
17	3.5mm-F
18	APC7-M
19	APC7-F
20	BNC-M
21	BNC-F
22	MCX-M
23	MCX-F
24	MMCX-M
25	MMCX-F
26	N-M
27	N-F
28	SMA-M
29	SMA-F
30	SSMA-M
31	SSMA-F
32	TNC-M
33	TNC-F
34	MHF202781-M

No	Conn. A/B
35	75ΩBNC-M
36	75ΩBNC -F
37	MHF20311-M
38	75ΩF-M
39	75ΩF-F
40	MHF20367-M
41	MHF20448-M
42	75ΩN-M
43	75ΩN-F
44	75ΩSMB-M
45	75ΩSMB-F
46	MS147-M
47	MM8430-M
48	SMP-F
49	MHF20428-M
50	SMB-F
51	SMB-M
52	UHF-F
53	UHF-M
54	Fakra SMB-M
55	Fakra SMB-F
56	MM8030-M
57	7/16DIN-M
58	MS180-M
59	MS162-M

No	Conn. A/B
60	CRC9-M
61	MS162-M
62	SSMCX-M
63	SMPM-M
64	FAKRA-M
65	TS9A-M
66	MS156C-M
67	MHF20567-M
68	MS156-M
69	MM8930-M
No	Body Style
0	Standard
1	Reverse
2	Right angle
3	Quick
4	RP-Right angle
5	RP-Quick
6	Bulkhead
7	Opposite Direction R/A
8	2Hole Flange
9	RP-Bulkhead
A	Quick/No hex
B	4Hole Flange

No	Coaxial Cables ©
6	RG-6(U)
58	RG58(U)
59	RG59
081	Mini-coaxial 0.81mm
113	Mini-coaxial 1.13mm
137	Mini-coaxial 1.37mm
142	RG-142
174	RG-174
178	RG-178
214	RG-214
316	RG-316
316D	RG-316 Doubt Shield
400	RG-400
F085	SS405
F141	SS402
SF085	RG405
SF141	RG402
SF085JB	RG405(Blue Jacket)
SF141JB	RG402(Blue Jacket)
SPF085	SFL405
SPF141	SFL402
SR034	Semi-rigid 034
SR047	Semi-rigid 047
SR085	Semi-rigid RG405
SR141	Semi-rigid RG402
200LL	200LL,LMR200
400LL	400L,CFD400,LMR400
600LL	600LL,LMR600
2CS	AWG28 x2C
3CS	AWG28 x3C

Code(D)	A	B	C
Tube Type	Brass Tubing	Double Heat-shrink Tubing	Rigid Glued Tubing



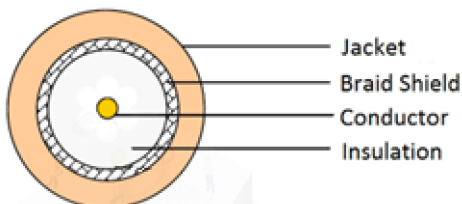
COAXIAL CABLE

LOW LOSS FEXIBLE

MCBL-400LL.50

Features

- ✓ Frequency up to 5.8GHz
- ✓ Low signal attenuation



Specifications

CONSTRUCTION		
ITEM	MATERIAL	DIAMETER
CENTER CONDUCTOR	CCAW	2.74mm
INSULATION	PE	7.24mm
BRAID SHIELD	Tinned Copper Wire	8.1 mm
JACKET	PE or Lead-Free PVC or LSFH PE	10.3mm
ELECTRICAL DATA		
ITEM	SPECIFICATION	
IMPEDANCE	50±2 Ohm	
CUTOFF FREQUENCY	5.8GHz	
BEND RADIUS	25.4mm MIN.	
WEIGHT	0.111kg/m for PE Jacket 0.130kg/m for Non lead PVC Jacket 0.134kg/m for LSFH Jacket	
VELOCITY OF PROPAGATION	85%	
CAPACITANCE (PF/M)	78.0	
DC RESISTANCE	Inner Conductor Nom. 4.56 Ω/km	
VOLTAGE WITHSTAND	2500AC V/1min	
IMPEDANCE	Nom. 50 Ω @200MHz	
OPERATING TEMPERATURE RANGE	-40°C~85°C	
TENSILE STRENGTH	72.6kg MAX.	
MAXIMUM ATTENUATION		
FREQUENCY	ATTENUATION (dB/100M)	
900MHz	12.8	
1500MHz	16.8	
1800MHz	18.6	
2000MHz	19.6	
2500MHz	22.2	
5800MHz	35.5	

NOTES:

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY





Cable Assembly Part Number

MVE PART NUMBER	CONNECTOR 1	CONNECTOR 2	XX- LENGTH (cm)	FREQUENCY (GHz)	VSWR (TYP.)
200200.400LL.XX	BNC Male	BNC Male	<1000	5.8	-
200200.400LL.XX	BNC Male	BNC Male	≥ 1000	2.4	-
260260.400LL.XX	N Male	N Male	<1000	5.8	1.35
260260.400LL.XX	N Male	N Male	≥ 1000	2.4	1.35
260270.400LL.XX	N Male	N Female	<1000	5.8	
270270.400LL.XX	N Female	N Female	<1000	5.8	
280280.400LL.XX	SMA Male	SMA Male	<1000	5.8	1.50
280280.400LL.XX	SMA Male	SMA Male	≥ 1000	2.4	1.50
280290.400LL.XX	SMA Male	SMA Female	≥ 1000	2.4	1.60

*Definition of Length: "XX"

Length ≤ 30CM, the length cable is referring to exclude two terminal length of connector.
Length > 30CM, the length cable is referring to include two terminal length of connector.

**Definition of Tolerance

Length ≤ 10cm: ±0.5cm, Length ≤ 30cm: ±1.0 cm, Length ≤ 50cm: ±2.0 cm,
Length ≤ 100cm: ±2.5 cm, Length > 100cm: ±3.0cm, Length ≥ 1000cm: +1%/-10cm

***Estimate of Cable Assembly loss

Cable assembly loss = Connector loss + Assembly loss + Cable loss

Connector Loss: $0.08 \times \sqrt{\text{Frequency}} \times 2$ (2 connectors)

Assembly Loss : $0.12 \times 2(\text{sides})$

Cable Loss: per cable attenuation (Max.) * Cable length

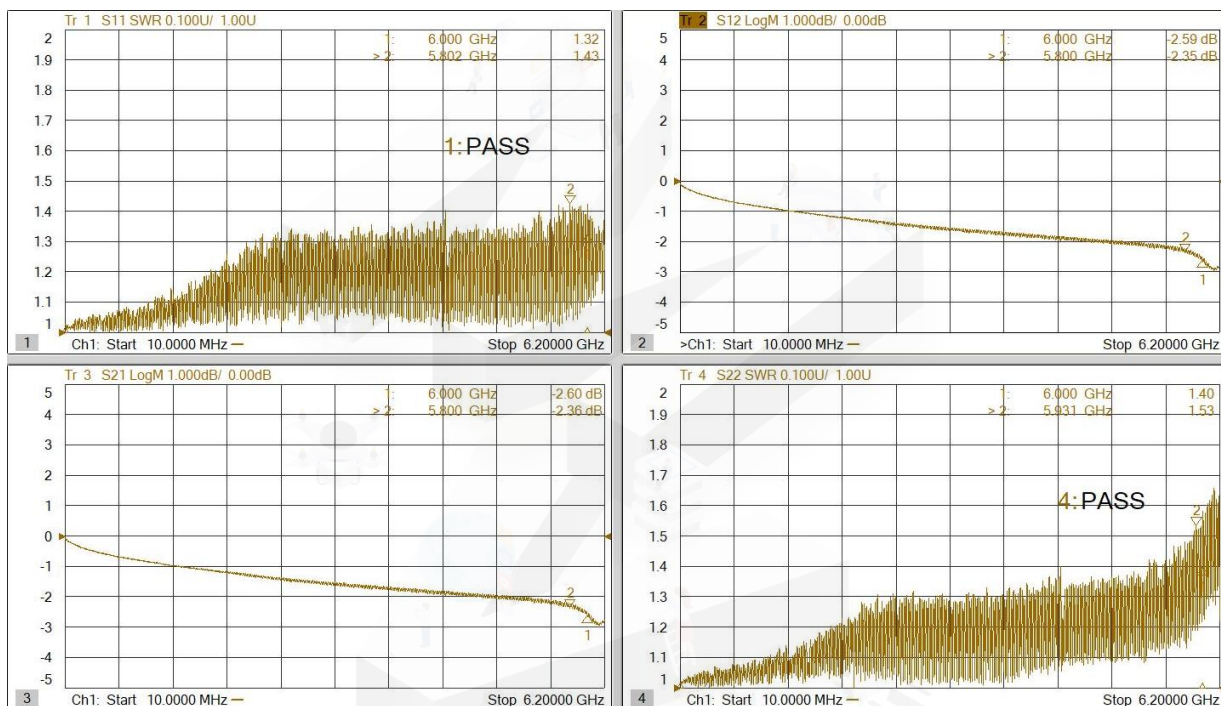
NOTES:

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Typical Test Result

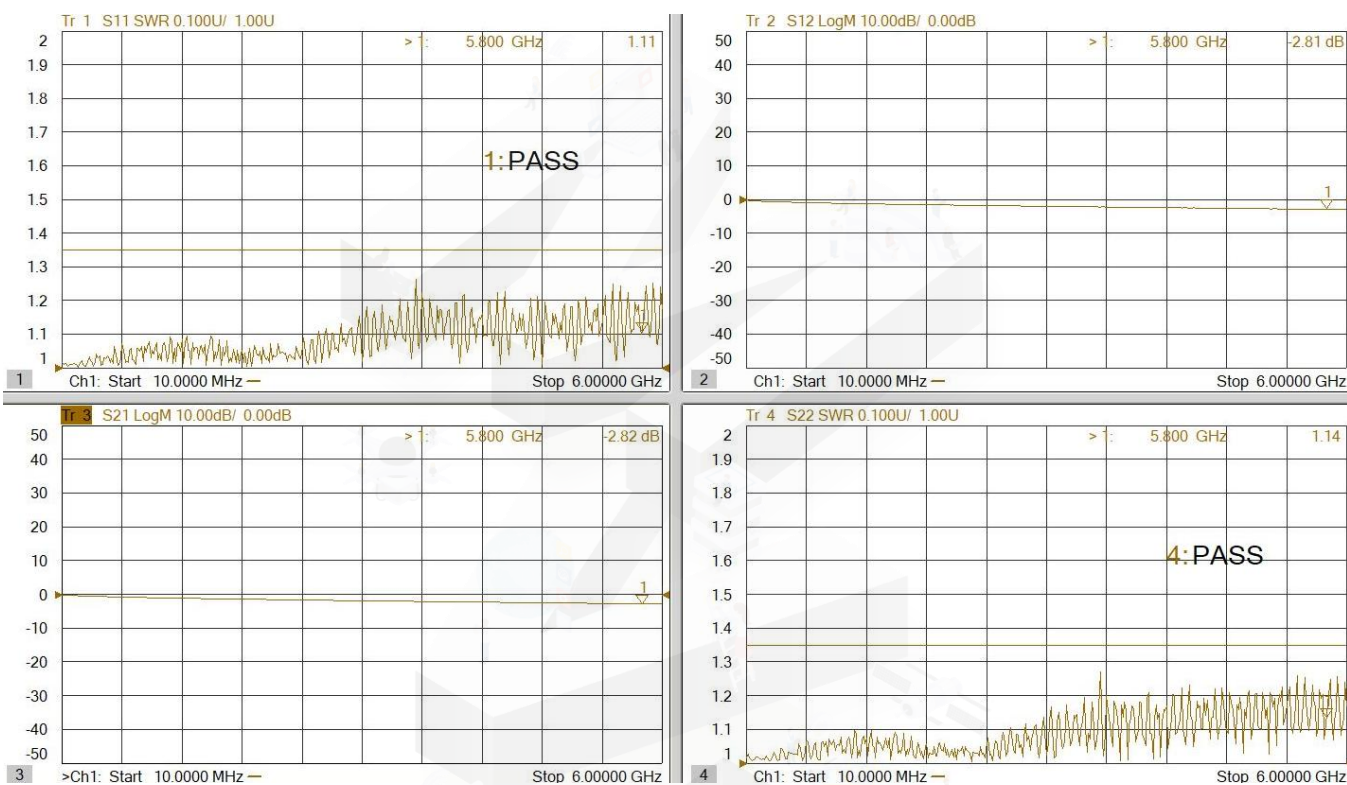
PART NUMBER	DESCRIPTION
200200.400LL.500A	BNC Male To BNC Male, 400LL Black /L:500cm, Brass Tubing





Typical Test Result

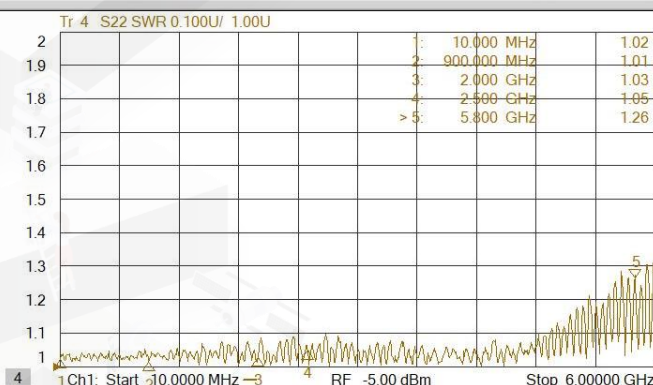
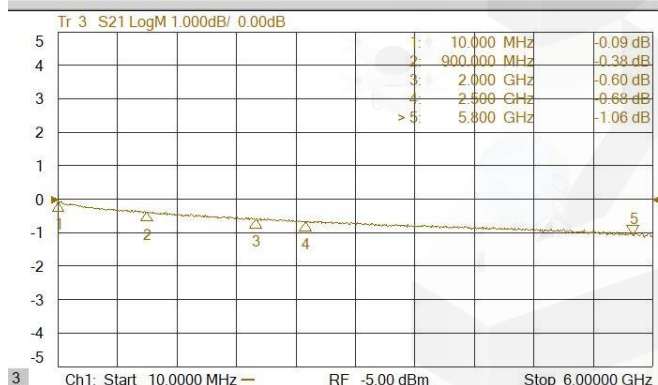
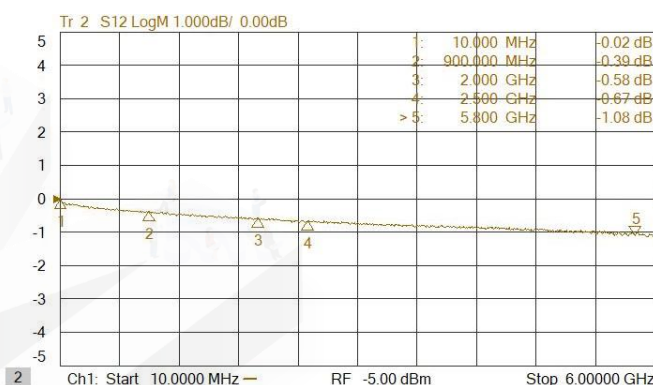
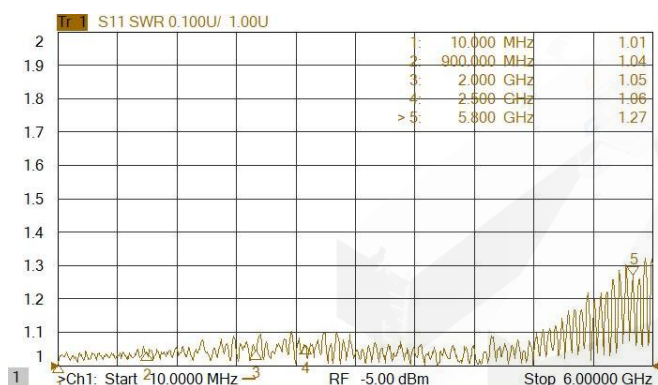
PART NUMBER	DESCRIPTION
260260.400LL.700A	N Male To N Male, 400LL Black /L:700cm, Brass Tubing





Typical Test Result

PART NUMBER	DESCRIPTION
280280.400LL.200A	SMA Male To SMA Male, 400LL Black /L:2M/Brass Tubing





Typical Test Result

PART NUMBER	DESCRIPTION
280280.400LL.2000A	SMA Male To SMA Male, 400LL Black /L:20M/Brass Tubing

