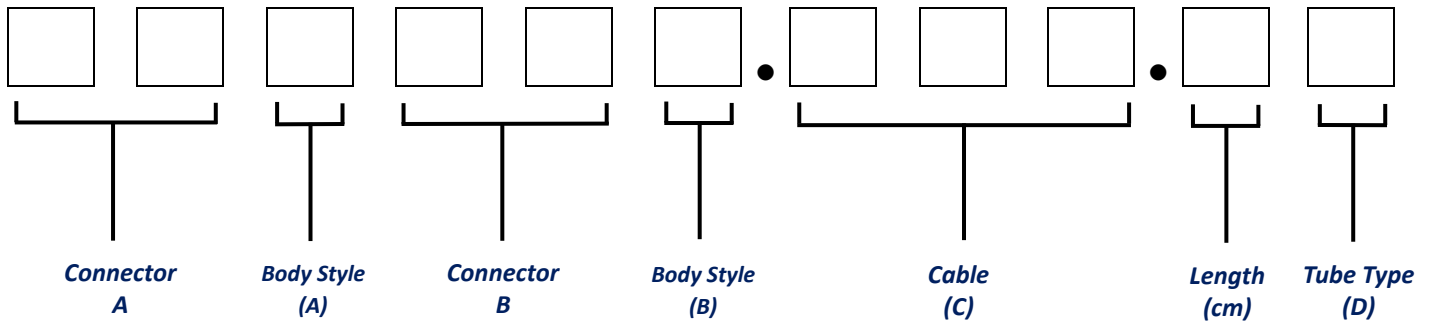


STANDARD COAXIAL CABLE ASSEMBLIES

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

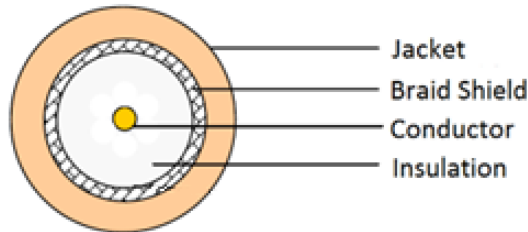
COAXIAL CABLE

MCBL-400LS.50

LOW LOSS FLEXIBLE

Features

- ✓ Frequency up to 6GHz
- ✓ Low signal attenuation



Specifications

CONSTRUCTION		
ITEM	MATERIAL	DIAMETER
CENTER CONDUCTOR	Bare Copper Clad Aluminum Wire	2.74±0.05mm
INSULATION	Gas Injected Foamed Polyethylene	7.24±0.10mm
JACKET	MDPE	10.30±0.20mm
ELECTRICAL DATA		
ITEM	SPECIFICATION	
IMPEDANCE	50±2Ω	
CAPACITANCE	76 Pf/m Nom.	
FREQUENCY	6GHz	
VELOCITY OF PROPAGATION	87% Nom.	
DIELECTRIC STRENGTH	2.5 KV(AC)/1 min. MIN.	
BEND RADIUS	101 mm MIN.	
PULLING TENSION	667 N MAX.	
MAXIMUM ATTENUATION		
FREQUENCY	ATTENUATION (dB/100FT)	
900MHz	3.8	
1500MHz	5.1	
1800MHz	5.6	
2000MHz	6	
2500MHz	6.7	
3000MHz	7.5	
4500MHz	9.5	
5800MHz	11.1	
6000MHz	11.4	

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.)
260260.400LS.XX	N Male	N Male	50, 100, 150, 200	5.8	1.5
280280.400LS.XX	SMA Male	SMA Male	50, 100, 150, 200	5.8	1.45

*Definition of Length: “ XX ”

Length $\leq 30\text{CM}$, the length cable is referring to exclude two terminal length of connector.
Length $> 30\text{CM}$, the length cable is referring to include two terminal length of connector.

**Definition of Tolerance

Length $\leq 10\text{cm}$: $\pm 0.5\text{cm}$, Length $\leq 30\text{cm}$: $\pm 1.0\text{ cm}$, Length $\leq 50\text{cm}$: $\pm 2.0\text{ cm}$,
Length $\leq 100\text{cm}$: $\pm 2.5\text{ cm}$, Length $> 100\text{cm}$: $\pm 3.0\text{cm}$, Length $\geq 1000\text{cm}$: $+1\%/-10\text{cm}$

***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 : 0.12×2 (sides)

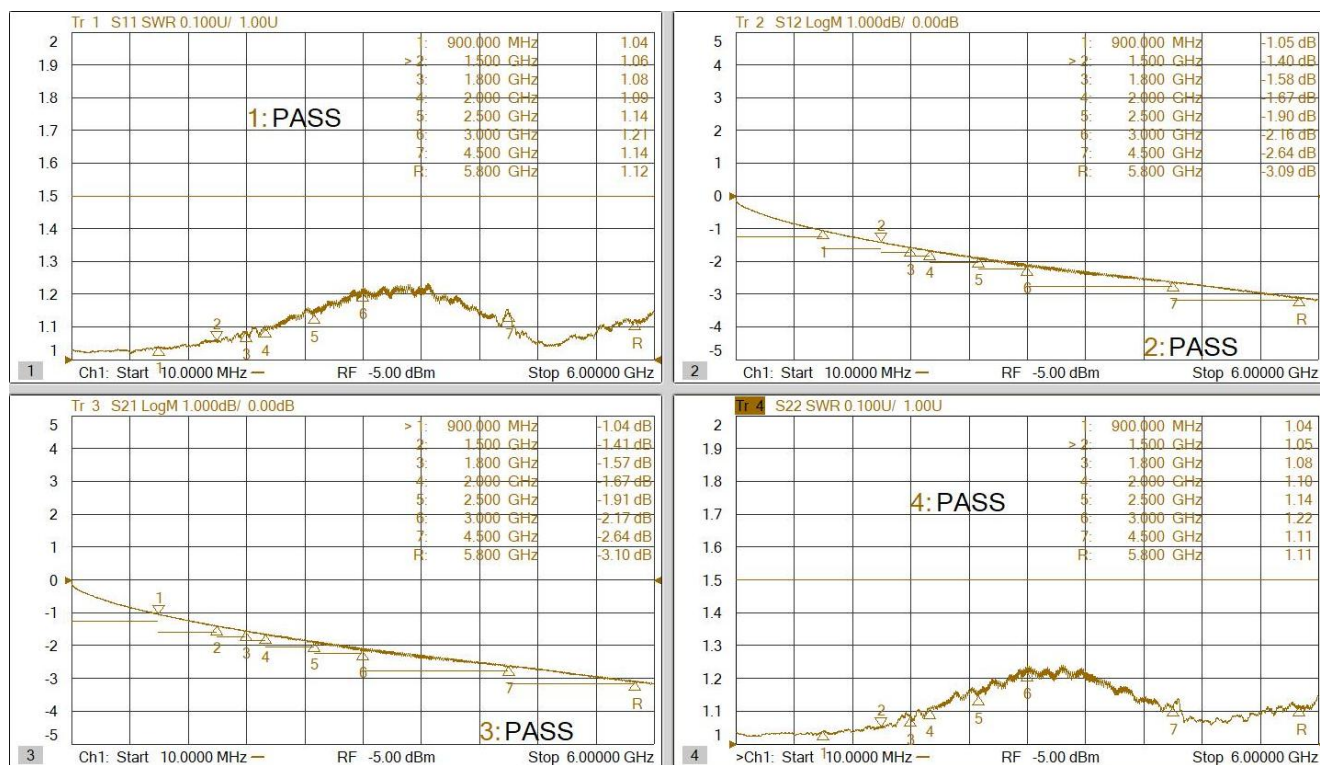
Cable Loss: per cable attenuation (Max.) * Cable length

NOTES:

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Typical Test Result

PART NUMBER	DESCRIPTION
260260.400LS.700A	N Male To N Male, 400LS Black /L:7M/Brass Tubing, DC-5.8GHz



Typical Test Result

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

