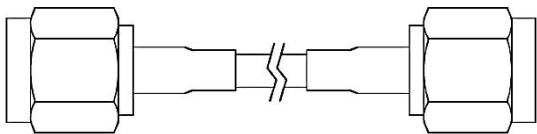
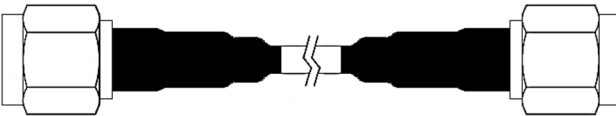
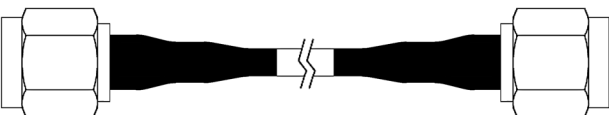


CABLE ASSEMBLY

SEMI-FLEX(SF085JB) PRECISION SMA (18GHz)

- ✓ Hand Formable
- ✓ Replace to RG405 Cables
- ✓ Excellent shielding effect greater than 110dB
- ✓ Option blue jacket(JB) design to avoid cable damage

Specifications

PART NUMBER	DESCRIPTION	OUTLINE
280280.SF085JB.XXA(H3)	SMA Male to SMA Male/Stainless, Semi-flex 085 Blue Jacket/ L:XXcm (Brass Tubing)	
280280.SF085JB.XXB(H3)	SMA Male to SMA Male/Stainless, Semi-flex 085 Blue Jacket/ L:XXcm (Double Rigid Tubing)	
280280.SF085JB.XXC(H3)	SMA Male to SMA Male/Stainless, Semi-flex 085 Blue Jacket/ L:XXcm (Rigid Glued Tubing)	

XX: length (cm)

*Definition of Length: " XX "

When total cable length ≤ 30 CM, the length cable is referring to exclude two terminal length of connector.

When total cable length > 30 CM, the length cable is referring to include two terminal length of connector.

**Definition of Tolerance

Length ≤ 10 cm: ± 0.5 cm , Length ≤ 30 cm: ± 1.0 cm , Length ≤ 50 cm: ± 2.0 cm ,

Length ≤ 100 cm: ± 2.5 cm , Length > 101 cm: ± 3.0 cm

Optional Code	A	Brass Tubing (Glued Heat Shrinkable Tube) / $\varnothing 5.5$ mm x 20mm
	B	Double Rigid Tubing / $\varnothing 6$ mm x 45mm
	C	Rigid Glued Tubing / $\varnothing 6$ mm x 30mm
VSWR of Cable Assembly	1.3:1 MAX (DC-10GHz), 1.40:1 MAX (18GHz)	
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:

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



COAXIAL CABLE

MCBL-SF085JB.50

SEMI-FLEX RG405(Blue)

Features

- ✓ Frequency up to 20GHz
- ✓ Replace to RG405 Cables
- ✓ Excellent shielding effect greater than 110dB
- ✓ Option blue jacket(JB) design to avoid cable damage



Specifications

CONSTRUCTION		
ITEM	MATERIAL	DIAMETER
CENTER CONDUCTOR	Silver Plated Copper Clad Steel Wire	0.53 mm
DIELECTRIC	PTFE	1.65 mm
OUTER CONDUCTOR	Tin Plated Copper Braid & Tin Soaked	2.16 mm
JACKET	FEP(Blue)	2.50mm
ELECTRICAL DATA		
ITEM	SPECIFICATION	
OPERATING FREQUENCY	20GHz	
OPERATING TEMP.	- 40°C ~ 165°C	
SHIELD EFFECTIVENESS	> -110 dB	
VELOCITY OF PROPAGATION	70%	
CHARACTERISTIC IMPEDANCE	50 ohm	
MIN.BENDING RADUS	6 mm (Single)	
CAPACI-TANCE	95pF/M	
WORKING VOLTAGE	1500 Vrms (MAX.)	
Weight	22.0 kg / km	
FREQUENCY	ATTENUATION (dB/m)	ATTENUATION (dB/ft)
0.5 GHz	0.49	0.149
1.0 GHz	0.72	0.219
5.0 GHZ	1.64	0.500
10.0 GHz	2.62	0.799
18.0 GHz	3.45	1.052
20.0 GHz	4.27	1.301

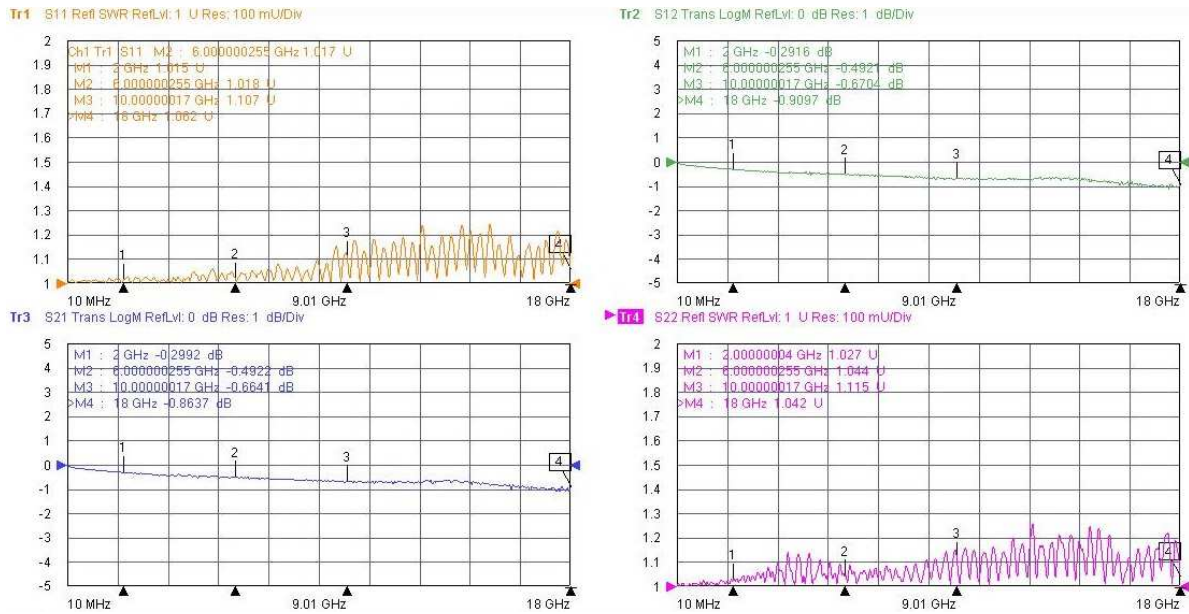


NOTES:

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



PART NUMBER	DESCRIPTION
280280.SF085JB.50A(H3)	SMA Male to SMA Male, Semi-flex 085 Blue Jacket/L:30cm/Brass Tubing



PART NUMBER	DESCRIPTION
280280.SF085JB.30C(H3)	SMA Male/Stainless to SMA Male/Stainless, Semi-flex 085 Blue Jacket/L:30cm/Rigid Glued Tubing

