



## CAB.058

#### **Description:**

SMA(F) Jack Straight to Strip/Tin 3/3mm with 50mm 0.047" semi-rigid cable

#### **Features:**

Semi-Rigid Cable Assembly

SMA(F)ST connector

Strip/Tin 3/3mm

50mm 0.047" semi-rigid cable

RoHS & Reach Compliant



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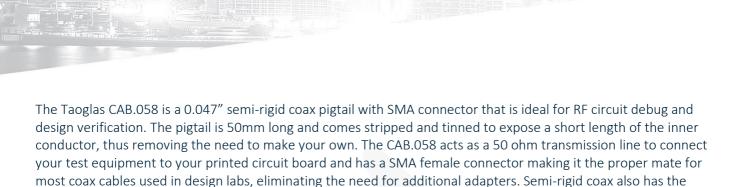








best attenuation of all micro-coax types.



In order to make a proper connection to the PCB without causing an impedance mismatch, the cable jacket needs to be soldered to the PCB ground and the inner conductor gets soldered to the RF transmission line. The CAB.058 has a smooth, semi-rigid, metallic jacket that makes it very easy to solder the jacket to the PCB ground.

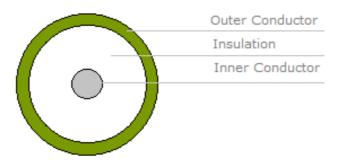
The thinner 0.047" cable diameter makes it easier to solder onto densely populated circuit boards. The semi-rigid nature of the cable also allows you to easily bend the pigtail to your convenience, yet holds its position to prevent toppling over and shorting nearby components.

Taoglas provides customized length and connector variants subject to MOQ. Contact your regional Taoglas customer support team for further details.

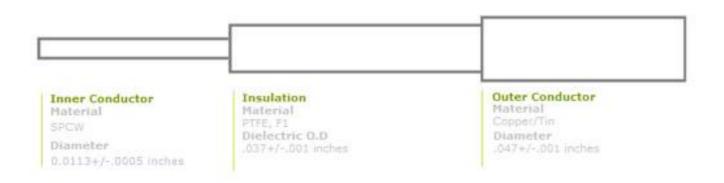


# 2. Cable Specifications – 0.047" Semi Rigid

## 2.1 Cross Section



## 2.2 Structure





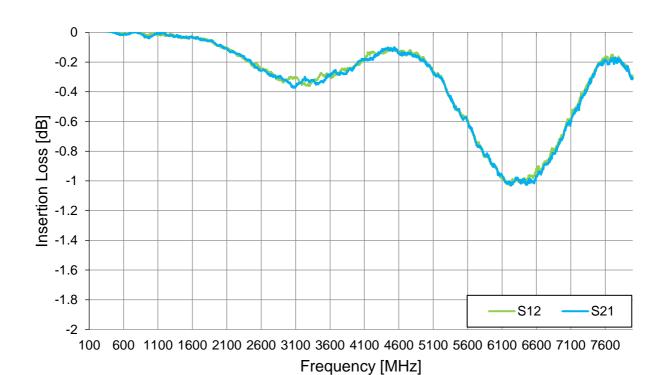
# 2.3 Cable Specification

1	Operating Temperature:	-50°C to +100°C	
2	Max Weight	4.8 (lbs/1000ft)	
3	Safe Bend Radius(proper tooling)	.050 inches	
4	Corona Extinction	Min. 1.0 KVRMS 60 Hz	
5	Max Operating Frequency	20GHz	
6	Dielectric Strength	2.0 KVRMS 60 Hz	
7	Impedance:	$50 \pm 1 \Omega$	
8	Standard Attenuation:	1GHz 40.0 dB/100ft 32W Avg. Power 10GHz 130 dB/100ft 9W Avg. Power 20GHz 190 dB/100ft 6.5W Avg. Power	



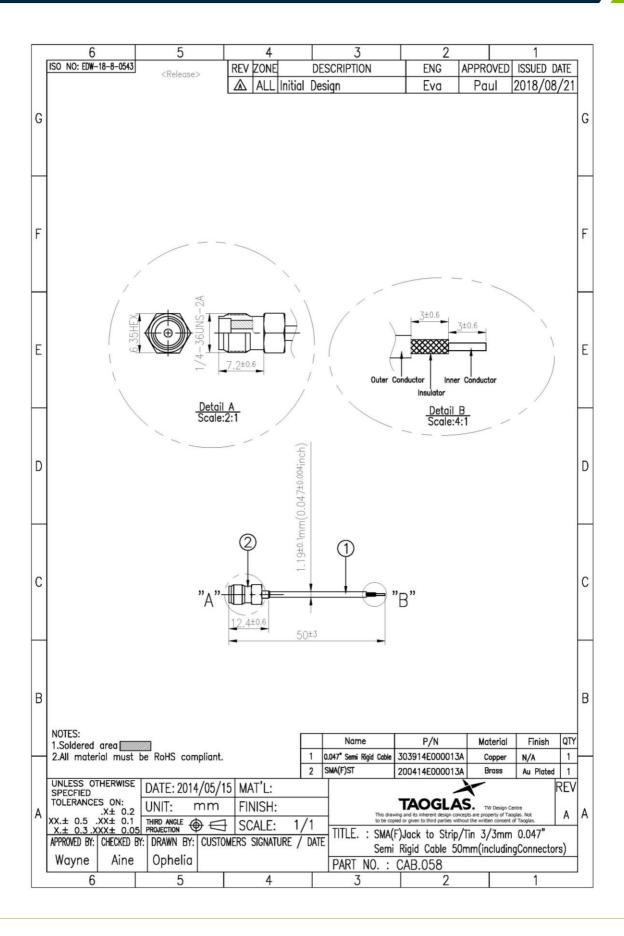
# 3. Cable Insertion Loss

## 3.1 Insertion Loss





# 4. Mechanical Drawing (Units: mm)





#### Changelog for the datasheet

### SPE-15-8-019 - CAB.058

Revision: D (Current Version)				
Date:	2023-04-13			
Changes:	Amended Operating Frequency			
Changes Made by:	Cesar Sousa			

#### **Previous Revisions**

Revision: C				
Date:	2020-01-17			
Changes:	Amended S21			
Changes Made by:	Jack Conroy			

Revision: B (Current Version)				
Date:	2019-03-27			
Changes:	Amended cable Specifications and template			
Changes Made by:	Jack Conroy			

Revision: A (Original First Release)				
Date:	2017-08-10			
Notes:				
Author:	Jack Conroy			



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