

1/2" S Cable Assembly with 4310(Male-Straight) & 4310(Male-Straight) Connector

Basic situation

Type of Connector :	
Connector 1	4310 Male-straight
Connector 2	4310 Male-straight
Type of Coaxial Cable	1/2" S, 1/2" SZ

Electrical Specifications

Connector Impedance	50 ohm
Withstanding Voltage	AC 2500 Vrms / 10mA 10sec
VSWR Straight	$\leq 1.15(\text{DC}-3\text{GHz})$
Insertion Loss	$\leq 0.209 * L(\text{m}) + 0.2(\text{DC}-3\text{GHz})$
PIM3(2X20W)	$\leq -160\text{dBc}$
Outer Contact Resistance	4310: $\leq 1.0\text{m}\Omega$
Inner Contact Resistance	4310: $\leq 1.0\text{m}\Omega$

Mechanical Specifications

Minimum Bending Radius	
Single	25mm
Repeated	30mm
Cable Diameter	13.6mm
Operating Temperature	-40°C ~ +85°C
IP Rating of Connectors	IP67

Material & Plating

Outer Contact Plating	Brass Three alloy
Inner Contact Plating	Brass Silver
Insulation	PTFE
O-ring	Silicone Rubber
Other	Brass Nickel

Outline Drawing

