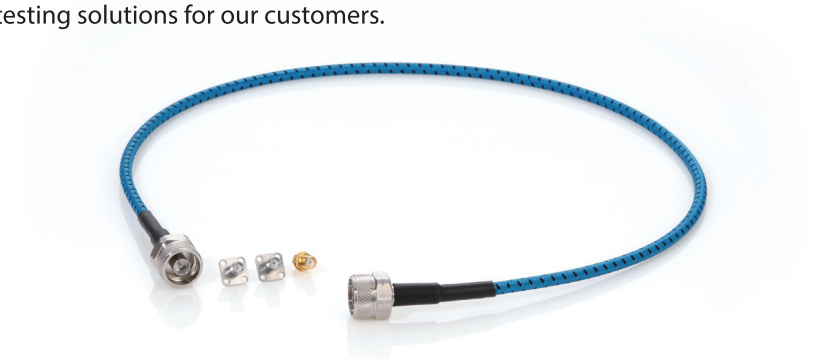
RF Connectors & Cable Assemblies

DC ~ 40GHz

With a maximum frequency of 40 GHz, UBCS' Connectors & Cable Assemblies offer low loss, low VSWR and outstanding performance. Also, they are highly durable.

They can be customized and produced to meet individual requirements. We provide the most high performing measurement and testing solutions for our customers.



FEATURES / BENEFITS

1. Robust mechanical design
2. Outstanding system characteristics
3. Low loss and high frequency

APPLICATIONS

1. Test & Measurement

* Cable Assemblies : Custom Made

CONNECTOR	FREQUNECY RANGE (GHz)						
	3 GHz	7.5 GHz	11 GHz	14 GHz	18 GHz	26.5 GHz	40 GHz
7-16 DIN							
4.3-10							
N							
SMA							
3.5mm							
2.92mm							

DC ~ 6GHz

SPECIFICATIONS						
Connector	SMA	3.5mm	2.92mm	N TYPE	7-16 DIN	4.3-10
Impedance	50Ω					
VSWR (Max.)	1.2:1					
Insertion loss	0.06 √F	0.05 √F	0.03 √F	0.05 √F	0.05 √F	0.05 √F
Insulation resistance	DC500V 5,000MΩ Min.					
Contact resistance	Outer conductor : 2mΩ Max.	Outer conductor : 2mΩ Max.	Outer conductor : 2mΩ Max.	Outer conductor : 1mΩ Max.	Outer conductor : 1.5mΩ Max.	Outer conductor : 1.5mΩ Max.
	Inner conductor : 3mΩ Max.	Inner conductor : 3mΩ Max.	Inner conductor : 3mΩ Max.	Inner conductor : 1mΩ Max.	Inner conductor : 0.4mΩ Max.	Inner conductor : 1.0mΩ Max.
Durability	500matings MIL-C-39012					100matings
Coupling nut retention force	65Kgf Min	65Kgf Min	65Kgf Min	450N	1000N	450N
Recommended coupling nut torque	12Kgf.Cm (Proof Torque : 16.5Kgf. Cm)	12Kgf.Cm (Proof Torque : 16.5Kgf. Cm)	12Kgf.Cm (Proof Torque : 16.5Kgf. Cm)	70Kgf.Cm (Proof Torque : 16.5Kgf. Cm	200Kgf.Cm (Proof Torque : 354Kgf. Cm)	200Kgf.Cm (Proof Torque : 354Kgf. Cm)
Center contact retention force	Engage : 1.35Kgf. Cm Max , Disengage : 0.03Kgf.Cm Min	Engage : 1.35Kgf. Cm Max , Disengage : 0.03Kgf.Cm Min	Engage : 1.35Kgf. Cm Max , Disengage : 0.03Kgf.Cm Min	Engage : 0.9Kgf. Cm Max , Disengage : 0.06Kgf.Cm Min	Engage : 3.5Kgf. Cm Max , Disengage : 0.4Kgf.Cm Min	Engage : 0.9Kgf. Cm Max , Disengage : 0.8Kgf.Cm Min

DC ~ 18GHz

SPECIFICATIONS				
Connector	SMA	3.5mm	2.92mm	N TYPE
Impedance	50Ω			
VSWR (Max.)	1.2:1			
Insertion loss	0.06 √F	0.05 √F	0.03 √F	0.05 √F
Insulation resistance	DC500V 5,000MΩ Min.			
Contact resistance	Outer conductor : 2mΩ Max.	Outer conductor : 2mΩ Max.	Outer conductor : 2mΩ Max.	Outer conductor : 1mΩ Max.
	Inner conductor : 3mΩ Max.	Inner conductor : 3mΩ Max.	Inner conductor : 3mΩ Max.	Inner conductor : 1mΩ Max.
Durability	500matings MIL-C-39012			
Coupling nut retention force	65Kgf Min	65Kgf Min	65Kgf Min	450N
Recommended coupling nut torque	12Kgf.Cm (Proof Torque : 16.5Kgf.Cm)	12Kgf.Cm (Proof Torque : 16.5Kgf.Cm)	12Kgf.Cm (Proof Torque : 16.5Kgf.Cm)	70Kgf.Cm (Proof Torque : 16.5Kgf.Cm
Center contact retention force	Engage : 1.35Kgf. Cm Max , Disengage : 0.03Kgf.Cm Min	Engage : 1.35Kgf. Cm Max , Disengage : 0.03Kgf.Cm Min	Engage : 1.35Kgf. Cm Max , Disengage : 0.03Kgf.Cm Min	Engage : 0.9Kgf.Cm Max , Disengage : 0.06Kgf.Cm Min

DC ~ 28GHz

SPECIFICATIONS		
Connector	3.5mm	2.92mm
Impedance	50Ω	
VSWR (Max.)	1.2:1	
Insertion loss	0.05 √F	0.03 √F
Insulation resistance	DC500V 5,000MΩ Min.	
Contact resistance	Outer conductor : 2mΩ Max.	Outer conductor : 2mΩ Max.
	Inner conductor : 3mΩ Max.	Inner conductor : 3mΩ Max.
Durability	500matings MIL-C-39012	
Coupling nut retention force	65Kgf Min	65Kgf Min
Recommended coupling nut torque	12Kgf.Cm (Proof Torque : 16.5Kgf.Cm)	12Kgf.Cm (Proof Torque : 16.5Kgf.Cm)
Center contact retention force	Engage : 1.35Kgf.Cm Max , Disengage : 0.03Kgf.Cm Min	Engage : 1.35Kgf.Cm Max , Disengage : 0.03Kgf.Cm Min

DC ~ 40GHz

SPECIFICATIONS	
Connector	2.92mm
Impedance	50Ω
VSWR (Max.)	1.2:1
Insertion loss	0.03 √F
Insulation resistance	DC500V 5,000MΩ Min.
Contact resistance	Outer conductor : 2mΩ Max.
	Inner conductor : 3mΩ Max.
Durability	500matings MIL-C-39012
Coupling nut retention force	65Kgf Min
Recommended coupling nut torque	12Kgf.Cm (Proof Torque : 16.5Kgf.Cm)
Center contact retention force	Engage : 1.35Kgf. Cm Max , Disengage : 0.03Kgf.Cm Min