

Blindmate Palco RF Contacts

	PDM 15 Series	PDM 24 Series	PkZ 26 Series	PkZ 56 Series
Frequency	1 GHz	2 GHz	32 GHz	40 GHz
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Size	8	8	8	12
Flexible Cable	Yes	Yes	Yes	Yes
Semi-Rigid Cable	Yes	Yes	Yes	Yes
Conformable Cable	Yes	Yes	Yes	Yes
Adapter (to SMA)	Yes	Yes	Yes	Yes

Standard RF Connectors

Designed and Built to Full Mil Specifications

	MCX 13 Series	MMCX 33 Series	SMA 20 Series	SMB 09 Series	SMC 10 Series
Frequency	6 GHz	6 GHz	18 GHz	4 GHz	10 GHz
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Flexible Cable	Yes	Yes	Yes	Yes	Yes
Semi-Rigid Cable	Yes	Yes	Yes	Yes	Yes
Conformable Cable	Yes	Yes	Yes	Yes	Yes
Adapter (to SMA)	Yes	Yes	Yes	Yes	Yes

Phoenix RF Microwave Cable Assemblies

RF MICROWAVE CABLE ASSEMBLIES		
Cable Types	Semi-Rigid	0.047" - 0.250" OD
	Flexible	RG coax and RG equivalents
	Conformable	.086 - .141 OD
Connector Types	Thread-On	SMA
		N
		TNC
		2.92mm
		3.5mm
		2.4mm
		SSMA
		SMC
		SMB
	Bayonet Style	BNC
		QMA
	Blind Mate	SMP
		SMPM
		BMA
		Size 8 PkZ
	Size 12 PkZ	

RF Microwave Cable Assemblies

RF MICROWAVE CABLE ASSEMBLIES		
Electrical Performance & Testing	DC to 20 GHz	20 GHz, We have the cal kits to support the testing:
		✓85054B Typen Agilent
		✓85033D 3.5 High Power
		✓85052D 3.5 Economic High Power
	✓85032B Typen Agilent	
	Phase Matching	Absolute phase can be $\pm 5^\circ$ @ 2 GHz, and relative phase (in groups of up to 4 assemblies) can be $\pm 1^\circ$ @ 2 GHz.
	Return Loss	20dB is considered industry acceptable. It is function of the customer chosen connector(s) and cable as well as our workmanship.
	Insertion Loss	As long as Return Loss is 20 dB or better, the primary contributor here is the customer chosen cable.
	Delay	Delay by itself is function of the customer chosen cable as well as the customer's delay requirement
	VSWR	
Hard copy of test data supplied with each assembly		Available

Power Cable Assemblies

POWER CABLE ASSEMBLIES		
Cable Types	Power	4 Gage to 24 Gage Wire
Connector Types		Lugs
		Spade
		PDM Power, 16 AWG to 8 AWG
		Power-Snap Connectors
Molding		Mold size: 6.5"X6X5
		Material: PVC, Polyurethane, Polystyrene (Premold), Polypropolene.
Electrical Performance & Testing	Continuity	
	Hy-Pot	
	Resistance	

Multiconductor Cable Assemblies

MULTICONDUCTOR CABLE ASSEMBLIES		
Cable Types	Multiconductor - Commercial	26 Gage to 30 Gage Wire
Connector Types	Various	Sourced from all major suppliers
		VHDM 6 to 8 pins (250 VAC-Insulation)
		2D: High Speed (5GBs)
		Airmax: High Speed 10GBs
		D-Sub: High Density
Molding		Mold size: 5X8X5
		Material: PVC, Polyurethane, Polystyrene, Polypropolene.
Electrical Performance & Testing	Continuity	
	Hy-Pot	
	Resistance	
	Insulation Resistance	
	Capacitance	