



FEATURES

- Wideband frequency coverage, DC to 18 GHz
- Low Loss, 0.64 dB at 18 GHz
- Excellent Return Loss, 28 dB at 18 GHz
- Hand formable to almost any custom shape without special bending tools
- 8mm bend radius for tight installations
- Anti-torque nut prevents cable stress during installation
- Insulated outer jacket standard¹
- Ideal for interconnect of assembled systems

APPLICATIONS

- Replacement for custom bent 0.141" semi-rigid cables
- Communication Receivers and Transmitters
- Military and Aerospace System
- Environmental and Test Chambers

*Generic photo used for illustration purposes only*

Model No.	141-12NM+
Case Style	KQ1637-12
Connectors	N type-Male

+RoHS Compliant

The +Suffix identifies RoHS Compliance.
See our website for methodologies and qualifications

ELECTRICAL SPECIFICATIONS AT +25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC	—	18	GHz
Length ²			12		inches
Insertion Loss	DC - 2	—	0.11	0.40	dB
	2 - 6	—	0.39	0.74	
	6 - 12	—	0.53	0.98	
	12 - 18	—	0.69	1.37	
Return Loss	DC - 2	23	44	—	dB
	2 - 6	23	33	—	
	6 - 12	17	33	—	
	12 - 18	17	26	—	

1. Unjacketed cable also available upon request.

2. Custom sizes available, consult factory

ABSOLUTE MAXIMUM RATINGS

Parameter	Ratings
Operating Temperature	-55°C to +105°C
Storage Temperature	-55°C to +105°C
Power Handling at 25°C, Sea Level	546W at 0.5 GHz
	387W at 1 GHz
	273W at 2 GHz
	156W at 6 GHz
	121W at 10 GHz
	90W at 18 GHz

Permanent damage may occur if any of these limits are exceeded.



HAND FLEX™

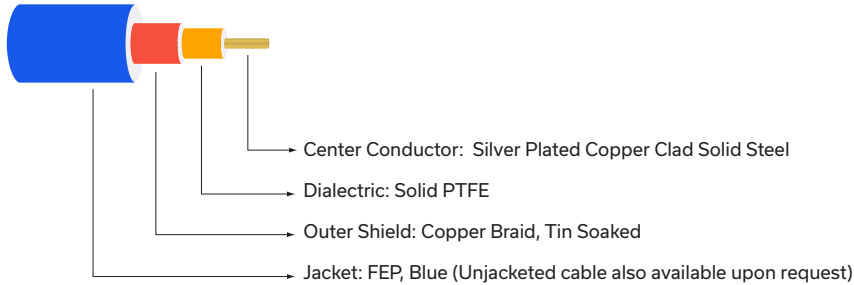
Coaxial Cable

141-12NM+

Mini-Circuits

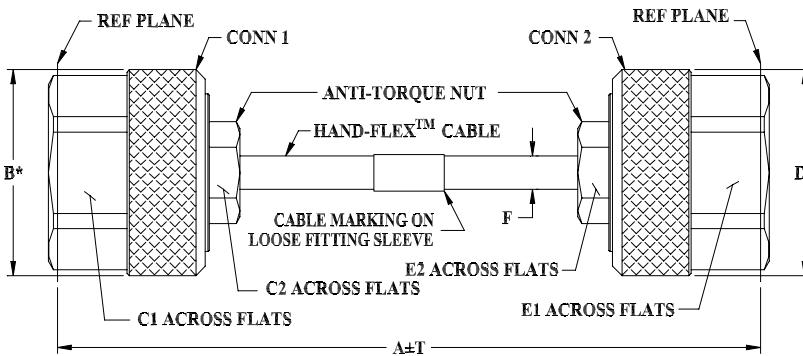
50Ω 12 inch DC to 18 GHz N type-Male

CABLE CONSTRUCTION



Connectors: Coupling Nut: Brass, Nickel Plated
 Body: Brass, Nickel Plated
 Center Pin: Brass, Gold Plated

OUTLINE DRAWING



* OVERALL CONNECTOR DIMENSION
 (CONNECTOR SHAPE MAY VARY)

OUTLINE DIMENSIONS (Inch/mm)

A	B	C1	C2	D
12.00	0.88	0.750	0.375	0.88
304.80	22.352	19.05	9.53	22.35
E1	E2	F	T	wt
0.750	0.375	.163±.004	0.10	grams
19.05	9.53	4.14±0.10	2.54	75.72

