

Blue Streak-QMA



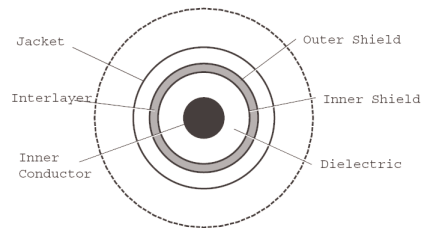
Professional Grade Test Cables and Adaptors Fast, Reliable, Repeatable RF Test Measurements For Hand-Held and Mobile Radios

Blue Streak-QMA test cables and adaptors eliminate uncertainties in RF power output and sensitivity measurements associated with BNC adaptors. The system consists of a high frequency, phase stable, QMA-equipped test cable and various mating adaptors designed to fit most manufacturers hand held and mobile radios. The snap-on, pull-off design is extremely secure when mated. Each half can rotate 360° relative to its mate yet together they exhibit little or no change in RF performance.

Blue Streak test cables have an extra heavy duty connector attachment system and an unparalleled reputation with the largest radio and RF test equipment manufacturers in the world as a very long life, rugged value-priced coax test cable.

Features and Benefits:

- 2500+ Mating Life Cycle
- High Flex Life, Phase Stable Coax
- Triple Shielded Cable
- Robust Connector Attachment System
- Stainless Steel Connectors and Adaptors
- Rugged, Solder-Clamp Attachment
- ROHS Compliant



Cable Construction

- Inner Conductor: Solid Silver Plated Copper
- Clad Steel
- Dielectric: Solid PTFE
- Shield: Silver-Plated Copper Flat Ribbon Braid
- Aluminum-Polyimide Tape Interlayer
- 36 GA Silver-Plated Copper Braid (90%k)
- Jacket: Clear FEP

Connectors

- Passivated Stainless Steel Finish
- QMA Coupling Nut Nickel Plated Brass
- QMA SureGrip! Coupling Nut Design
- Captive Contact
- Knurl/Hex Coupling Nut Type N
- PTFE Dielectric

Connector Attachment/Strain Relief

- Rugged, Solder-Clamp to Braid 175 lb Pull Force
- Redundant Triple Layer Strain Relief System

Physical and Mechanical Specifications

Bend Radius	minimum 1 in 25 mm
Connector Retention	>175 lbs
Mating Life Cycle Type N:	>5000* QMA: >2500 =
Length Tolerances	<2ft. or 0.75m, -0 +0.50"(12.7mm) >2ft. or 0.75m, -0 +2% of length

Electrical Specifications

VSWR Max	4 GHz	6 GHz
	BNC	1.20:1
	Type N, QMA	1.25:1
Impedance	50 ohms	
Velocity of Propagation	70%	
Shielding Effectiveness	>100dB	
Capacitance	29.4 pf/ft = 96.4 pf/meter	
Phase Stability		

(10, 4" radius, 180o reverse bends) DC to 6 GHz: +/- 1.1°

Attenuation Max @ +77°F (+25°C)

Attenuation	(GHz) dB/100ft	dB/100m
1	12.2	40.0
2	18.0	59.0
6	34.2	112
12	52.5	172
18	68.4	224
26.5	88.7	290

Power Handling @ +77°F (+25°C) (Sea Level) (Cable Only*)**

Power Handling (GHz)	Watts (max.)
0.4	891
1	539
2	363
6	180
12	151
18	120
26.5	60

*Type N: Assumes use of calibrated torque wrench, proper care and cleaning of interface and mated connector is within mil spec limits.

**QMA: Assumes proper use, care and cleaning.

*** Connector configuration may limit cable assembly maximum power handling capability.

Specifications subject to change without notice.

Ordering Information

Test Cables Only

AC25046 Blue Streak 4 Foot Cable BNC (m) - TNC (m)

AC25047 Blue Streak 4 Foot Cable N (m) - N (m)

AC25049 Blue Streak 4 Foot Cable BNC (m) - N (m)

AC25053 Blue Streak 3 Foot Cable N (m) - QMA (m) "Quick Connect"

AC25054 Blue Streak "Quick Connect" Combo Kit AC25053 + AC25050

AC25056 Blue Streak QMA to QMA quick connect cable

Adaptor Kits

AC25055 QMA Adaptor Kit (includes 24 assorted Type-N, BNC, TNC, SMA UHF, Mini-UHF and others)



Attenuators

AC25059 6dB - 150 Watt Attenuator, DC to 1.5GHz

AC25060 10dB - 150 Watt Attenuator, DC to 1.5GHz



Terminators

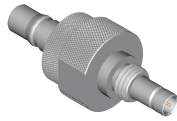
AC25061 50 Ohm - 150 Watt, DC to 5.0GHz Terminator



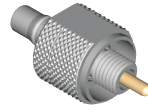
All Times QMA adaptors are fabricated from the highest quality stainless steel for superior performance and extra long life.



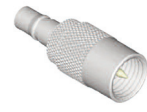
SMA Jack
(AC25073)



(Motorola)
(AC25074)



(Motorola)
(AC25075)



Mini-UHF Plug
(AC25062)



TNC Plug
(AC25067)
Qty 2



N Plug-QMA
Plug Between Series
(AC25068)



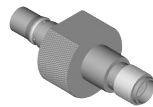
Type N Plug
(AC25063)
Qty 2



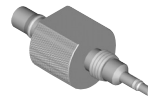
Type N Jack
(AC25079)
Qty 2



SMA Plug
(AC25064)



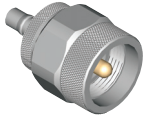
SMA Jack
(AC25050)
Qty 2



(Motorola)
(AC25076)



BNC Jack
(AC25082)
Qty 2



PL259 Plug
(AC25065)



PL259 Jack
(AC25070)



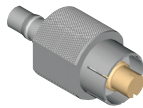
BNC Plug
(AC25071)
Qty 2



Mini UHF Jack
(AC25066)



M/A-COM
(AC25058)



ICOM J-Plug
(AC25078)



Field Pouch for Kit
(AC25055)
(Order pn 3190-584)

Shop case is blow molded, dual walled, high impact, padlockable construction. It is impervious to gas, oil, grease and most chemicals. It features a long life cover and dense foam inserts that securely hold adaptors even during rough handling. UPS and airline approved. Field kit pouches are heavy duty, cut-resistant suede with a sturdy, lockable, wide-mouthed zipper access.

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Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.