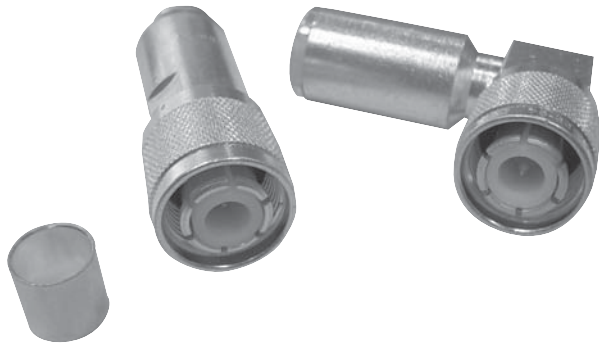


# HN Series



- 50 Ohm Nominal Impedance.
- Standard size connector with threaded coupling.
- High-voltage version of the Type N connector.
- Overlapping dielectric interface with weatherproof features.
- Frequency Range: Up to 4 GHz

## Specifications

### MATERIAL

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Male Center Contacts:	Brass
Female Center Contacts:	Beryllium Copper
Male Outer Contacts:	Brass
Insulators:	PTFE or Rexolite® Silicone
Gaskets & Seals:	Rubber

### FINISHES

Body:	Silver or Nickel
Center Contacts:	Gold or Silver

### ELECTRICAL

Impedance:	50 Ohms
Frequency Range:	DC to 4 GHz
Voltage Rating:	1500 Volts RMS
Insulation Resistance:	5000 Megohms

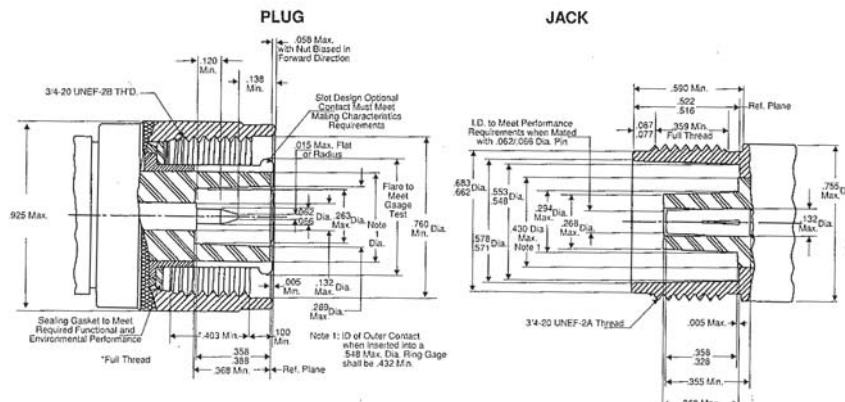
### MECHANICAL

Mating:	3/4 - 20 Threaded Coupling
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### ENVIRONMENTAL Temperature

Range: PTFE Insulator:	-65° C to +165° C
Rexolite Insulator:	-55° C to +85° C
Corrosion:	MIL-STD-202, Method 101, Condition B

## Interface Dimensions



## HN Series

### Plug - K-Grip, JR.

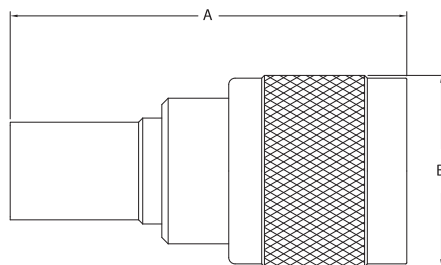


Figure 1

### Angle Plug - K-Grip, JR.

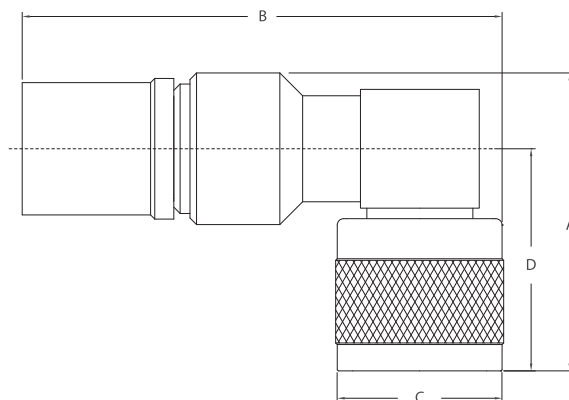


Figure 2

Item Number	Military PN	Product Description	Gender	Finish	A	B	C	D	Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
KH-59-05		Plug, Conventional	M	Silver	1.610	0.880			G1	CP-1021.3			N/S
KH-59-72		Plug, Conventional	M	Silver	1.625	0.500			DE	CP-1004			N/S
UG-59 E/U		Plug, Conventional	M	Silver	2.218	0.875			MN	60D-5			N/S
KH-59-78		Plug, Conventional/Crimp	M	Silver	2.230	0.450			N1	CP-239A	KTH-2004		N/S
845-10-9		Plug, Crimp, Weatherproof	M	Nickel	1.930	0.890			19	3-546-2	KTH-2213		1
845-13-9		Plug, Crimp, Weatherproof	M	Nickel	1.830	0.890			18	3-546-4	KTH-2212		1
845-9-9		Plug, Crimp, Weatherproof	M	Nickel	1.890	0.890			20	3-546-2	KTH-2229		1
KH-59-63		Plug, Crimp, Weatherproof	M	Nickel	1.930	0.880			M1	CP-5403	KTH-1078		1
KH-59-65		Plug, Crimp, Weatherproof	M	Nickel	1.930	0.880			N1	CP-5403	KTH-1079		1
KH-59-26		Plugs, Rt Angle, Conventional	M	Silver	1.560	2.370	0.750	1.190	MN	60D-5			N/S
KH-59-84		Plugs, Rt Angle, Conventional	M	Silver	1.540	2.380	0.750	1.190	N3	CP-1031			N/S
846-5-9		Plugs, Rt Angle, Crimp, Weatherproof	M	Nickel	1.510	2.250	0.880	1.190	18	3-546-7	KTH-2212		2
846-7-9		Plugs, Rt Angle, Crimp, Weatherproof	M	Nickel	1.550	2.310	0.880	1.190	20	3-546-2	KTH-2229		2
KH-59-24		Plugs, Rt Angle, Crimp	M	Silver	1.500	2.810	0.750	1.180	N1	CP-208A	KTH-2004		N/S
KH-59-64		Plugs, Rt Angle, Crimp, Weatherproof	M	Nickel	1.500	2.400	0.880	1.190	M1	CP-5403	KTH-1078		2
KH-59-66		Plugs, Rt Angle, Crimp, Weatherproof	M	Nickel	1.500	2.400	0.690	1.190	2	CP-5403	KTH-1079		2

# HN Series

## Adapters

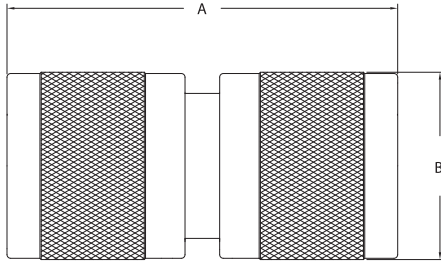


Figure 3

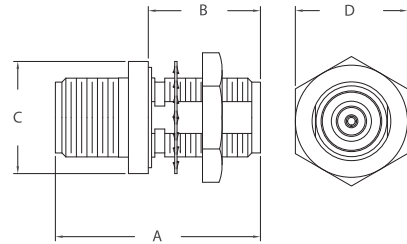


Figure 4

## Jacks, Receptacles, & Accessories

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					A	B	C	D					
KH-99-10		Within Series Adapter	M-M	Silver	1.850	0.880							3
849-5-9		Within Series Adapter, Bulkhead, Hermetic	F-F	Nickel	1.930	1.060	1.060	1.060				Z	4
KH-39-11		Jack, Conventional/Crimp	F	Silver	2.050	0.750			M1	CP-208A	KTH-2003		N/S
KH-39-12		Jack, Conventional/Crimp	F	Silver	2.040	0.750			N1	CP-208A	KTH-2004		N/S
KH-39-25 M06		Jack, Crimp, Weatherproof	F	Nickel	1.910	0.750			12	CP-5403	KTH-2127		N/S
KH-79-15		Receptacle, Bulkhead	F	Nickel	1.720	1.060	1.130			SOLDER			N/S
UG-496/U		Receptacle, Panel	F	Silver	1.530	1.180				SOLDER			N/S
848-3-5		Dust Cap & Chain	M	Silver	0.560	0.875	3.250						N/S