

standard coaxial connectors

HN series HN.2

STTA - Marine approved
GAM Listed



INTRODUCTION

Standard coaxial connectors with screw coupling fully interchangeable with HN connectors made to the US MIL Specification. Designed for use in all systems where good R.F. and mechanical performance is required at higher voltages than N series connectors can be used.

AMERICAN SPECIFICATIONS

For HN connectors MIL - C - 3643 A

For HN2 connectors MIL - C - 3655 B

Note : Some of the connector code nos. are shown in this catalogue in blue signifying that they are non standard. This does not mean that they are only made to order, only that we do not guarantee to hold as large stocks of these as the standard types and if our stock is exhausted, delay in additional quantities may be a little extended. In any case, please contact Radiall.

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characteristics

ELECTRICAL CHARACTERISTICS

Impedance	:	50 Ω
Recommended frequency range	:	
– maximum	:	0 - 3 GHz
– recommended	:	0 - 2 GHz
V.S.W.R. (for the recommended frequency range)	:	< 1.25 up to 2 GHz
Test voltage	:	5000 V.rms. Except connectors for 5/50-6/75-6/93 cable groups and elbow adaptor M-F : 3000 V.rms

MECHANICAL CHARACTERISTICS

Life	:	500 matings
Vibration	:	20 g
Shock	:	1/2 sinusoidal (severity 100 A)

MATERIALS

Contacts and interfaces	:	Heat treated beryllium copper
Other pieces	:	Brass
Insulators	:	PTFE
Gaskets	:	Neoprene, silicone

ENVIRONMENTAL

Temperature range	:	- 55°C +155°C
Salt spray	:	48 H
Panel sealing	:	Splashproof

COAXIAL CABLES SUITABLE

The cable groups are classified by ext. dia (mm) / impedance (Ω)

FLEXIBLE CABLES								
5/50 Ω single screen	5/50 Ω double screen	6/75 Ω	6/93 Ω	6/130 Ω	10/50 Ω	11/50 Ω	14/50 Ω	22/50 Ω
RG. 58 C/U	RG. 142 B/U	RG. 59 B/U	RG. 62 B/U	125 PMSA	RG. 165/U	RG. 214/U	RG. 217/U	RG. 218/U
RG. 141 A/U	RG. 223/U	RG. 140/U	RG. 71 B/U		RG. 213/U	RG. 225/U		RG. 219/U ■
RG. 303/U	RG. 400/U	URM 70	URM 96		RG. 215/U ■	URM 91		URM 74
		URM 90			URM 67	URM 112		URM 75 ■
URM 43	URM 301	KX. 6A						
URM 72		KX. 25						
URM 76		KX. 52						
URM 108		KX. 53						

■ Armoured cables requiring the use of an armoured cable clamp in place of the back nut.