

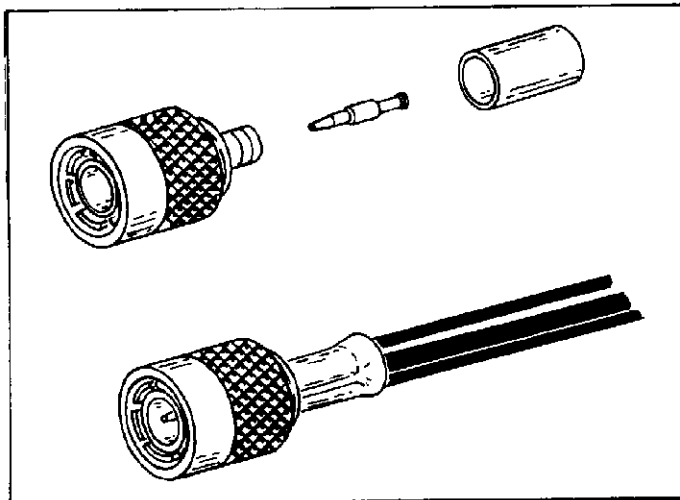


COMMERCIAL TNC COAXIAL CONNECTOR

GP 2776	
RELEASED	5-12-78
REVISED	6-29-78

RG/U CABLE	PLUG PART NO.			DOUBLE ACTION HAND TOOL	DIES FOR COMMERCIAL HAND TOOL 220190-1	DIES FOR BENCH MACHINE 220152-1
	TIN PL. CENTER CONTACT	GOLD PL. CENTER CONTACT	SILVER PL. CENTER CONTACT			
58, 58A, 58B, 58C 141, 141A	227000-1	227000-5	227000-9	220187-1	220189-1	220191-1
55, 55A, 55B, 223 142, 142A, 142B	227000-2	227000-6	1-227000-0			
59, 59A, 59B 62, 62A, 62B	227000-3	227000-7	1-227000-1	220187-2	220189-2	220191-2
71, 71A, 71B	227000-4	227000-8	1-227000-2			

Figure 1



This AMP[★] connector has been designed to provide a commercial grade coaxial cable connector. It features stamped and formed components which reduce the size and weight yet provides excellent performance at frequencies up to 7 GHz.

FEATURES

- Low Cost
- Fully crimpable
- Captive center contact
- Smaller & lighter in weight than std. TNC connectors
- Fully intermateable with TNC MIL-C-39012 connectors
- Low VSWR
- Tarnish resistant finish

MECHANICAL

MATING/UNMATING	500 CYCLES
FORCE TO ENGAGE/DISENGAGE	3.0 LBS. MAX.
COUPLING NUT RETENTION	60 LBS. MIN.
CABLE RETENTION FORCE	60 LBS. MIN.
WEIGHT25 OZ.

MATERIALS

BODY COMPONENTS	BRASS 70/30
CONTACT	BRASS 70/30
INSULATORS	POLYETHYLENE
CRIMP FERRULE	COPPER
GASKETS	SILICONE RUBBER ZZ-R-765
PLATING	BR. NICKEL & BR. TIN

ELECTRICAL

IMPEDANCE	50 OHMS
RATED WORKING VOLTAGE	500 VOLTS RMS
FREQUENCY RANGE	0-7 GHZ
VSWR	LESS THAN 1.3 TO 4 GHZ. 1.4 TO 7 GHZ.
CONTACT RESISTANCE	3.0 MILLIOHMS MAX. GOLD CONTACT
INSULATION RESISTANCE	5000 MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE	1500 VOLTS MIN.

ENVIRONMENTAL

RECOMMENDED TEMPERATURE RANGE	-55°C TO +85°C
TEMPERATURE CYCLING	METHOD 102, MIL-STD-202, COND. C
MOISTURE RESISTANCE	METHOD 106, MIL-STD-202
VIBRATION	METHOD 204, MIL-STD-202, COND. B
SALT SPRAY	METHOD 101, MIL-STD-202, COND. B
SHOCK	METHOD 213, MIL-STD-202, COND. I

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