

# Twin-Ax Straight Plug - Solder or Crimp - Standard PVC Style



PART NUMBER	CABLE TYPE	WIRE GAUGE	WIRE DECIMAL	JACKET O.D.	POLARIZATION
CP-TX-60	BELDEN 9207 PVC	20	.037 (.094)	.330 (8.38)	90°

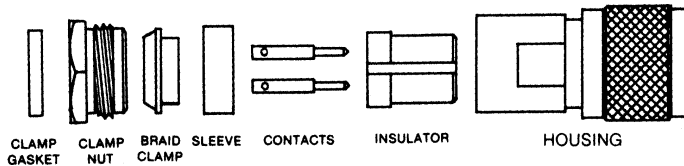


Fig. 1

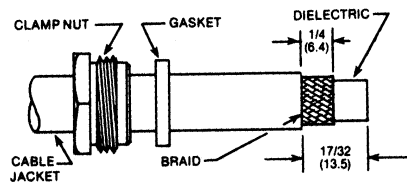


Fig. 2

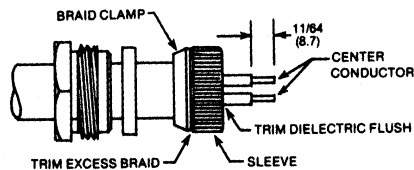


Fig. 3

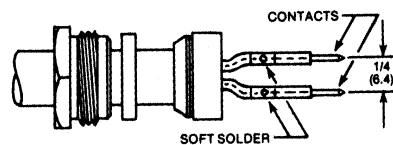
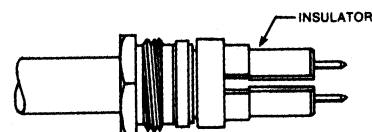


Fig. 4



1. Place nut and gasket (w/v-groove facing forward) over cable jacket as shown. Trim braid and jacket to dimensions shown in Fig. 1. Comb out braid wires.
2. Slide braid clamp over braid. Clamp must be seated on cable jacket. Fold braid wires back over clamp and trim excess braid (Fig. 2).
3. Slide bushing over dielectric and press against braid wires. Trim center conductors to dimensions shown (fig 2.), baring conductors.
4. Slide contacts over center conductors until center conductors are bottomed. Solder contacts to conductors using 60/40 alloy multicore solder with rosin or resin flux. Soldering bit temperature should be approximately 442°F. Remove any surplus solder from outside of contacts (fig. 3).
5. Bend conductors and contacts at right angles to cable axis; bend conductors back to parallel (approximately 1/4" between centers) (Fig. 4).
6. Thread prepared cable into connector housing, align polarizing slot in insulator with polarizing pin inside body. Tighten clamp nut with 40-60 in oz torque.

### Features

- Identical to industry standards
- Center contact may be crimped or soldered

Part Number	Cable	Wire Gauge	Wire Decimal	Jacket O.D.	Polarization	Contact Crimp Hex	Recommended Crimp Tool
CP-TX-60	BELDEN 9207 PVC	20	.037 (0.94)	.330 (8.38)	90°	.075 (1.91)	24-8865P

# Twinax Series

## Specifications



INCHES (MILLIMETERS)  
CUSTOMER DRAWINGS AVAILABLE UPON REQUEST

The Twinax Series connector is a medium-size unit with a 3/4-20 threaded coupling mechanism. The connectors are designed for use in IBM 34, 36 and 38 installations where they find wide applications as the standard termination for the twinaxial cable used to interconnect the host computer system and peripheral equipment. A keyway is used to achieve the required polarization. The connector is designed for use with 93 Ohm cable.

### **ELECTRICAL CHARACTERISTICS**

Impedance: 95 Ohm nominal

Frequency range: 0-200 MHz usable to 500 MHz

Voltage rating: 500 volts peak

Insulation resistance:  $>5 \times 10^9$ , contact to contact and body to body

### **ENVIRONMENTAL CHARACTERISTICS**

Thermal Limits: -67° to + 185°F (-55° to 85°C)

### **MECHANICAL CHARACTERISTICS**

Mating: Keyway polarization, 3/4 -20 threaded coupling

Cable affixment (braid or jacket): Screw-thread nut and braid clamp

### **MATERIALS**

Body: Zinc

Contact: Male: brass/nickel, gold plated

Female: beryllium copper, gold plated

Other metal parts: Brass: nickel

Insulator: TPX Polymethylpentene

\* These values are typical and may not apply to all connectors.