



Concentric Twinax Contacts

FIRST MANUFACTURER
QUALIFIED EN3155



Description

Amphenol Socapex Twinax contacts were designed for use with twinax cable (shielded twisted pair) in data Bus systems.

Main Features

- Protection against magnetic interference
- Protection against electrostatic interference including nuclear electromagnetic pulse
- Maintains shield integrity through a multi-pin circular connector
- Does not require contact polarization within the insert (concentric interface)
- Amphenol Socapex proposes a wide range of sealing boots



Typical Electrical Performance

Voltage Rating	500 Vrms max. at sea level
Contact Resistance	
Center at 1 Amp	55 millivolts max. voltage drop at 25°C
Intermediate at 1 Amp	55 millivolts max. voltage drop at 25°C
Outer at 12 Amps	75 millivolts max. voltage drop at 25°C
Operating Frequency	0–20 MHz
Dielectric Withstanding Voltage	
Center to Intermediate	1000 VAC Rms at Sea Level
Intermediate to Outer	500 VAC Rms at Sea Level

Markets & Applications



C6ISR, Battlefield
Communication



Military Aerospace



Ground Vehicles



Commercial Aerospace



Missile



Applications :

MIL-STD-1553 : Military standard for serial data bus

ARINC429 : Avionic standard for avionics data bus

CONCENTRIC TWINAX CONTACTS

Portfolio



*MIL-DTL-38999 series I and III Connectors
EN3645 Connectors
VG96912 SJT Connectors
EN4165/SIM Connectors*



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EN3645 Connectors
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ARINC 600 Connectors



PC TAILS /CUSTOM

Qualification

