

## Concentric Twinax Contacts

FIRST MANUFACTURER  
QUALIFIED EN3155



ABS1600

ABS1607

ABS2217

EN3155

ABS9029

### 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

<b>Voltage Rating</b>	<b>500 Vrms max. at sea level</b>
<b>Contact Resistance</b>	
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
<b>Operating Frequency</b>	<b>0–20 MHz</b>
<b>Dielectric Withstanding Voltage</b>	
Center to Intermediate	1000 VAC Rms at Sea Level
Intermediate to Outer	500 VAC Rms at Sea Level

### Markets & Applications



C4ISR



Military Aerospace



Ground Vehicle



Commercial Aerospace



Missile



#### Applications :

- ▶ MIL-STD-1553 : Military standard for serial data bus
- ▶ ARINC429 : Avionic standard for avionics data bus

# CONCENTRIC TWINAX CONTACTS

## Portfolio



AS39029

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



ABS2217

EN3155

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



ABS1607

ABS1600

*ARINC 600 Connectors*



Please contact us

*PC TAILS /CUSTOM*

## Qualification

