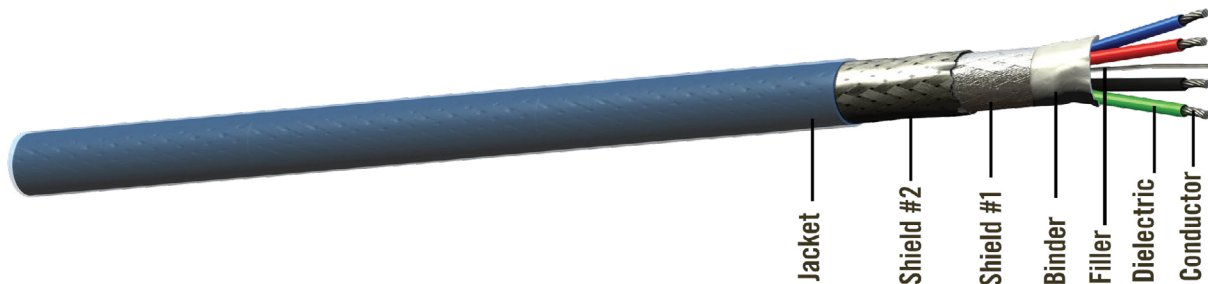


# F20424



## CABLE CONSTRUCTION

**Conductor:** Silver-Plated High Strength Copper Alloy  
**Dielectric:** FEP  
**Filler:** Fluoropolymer  
**Binder:** PTFE Tape

**Shield #1:** Aluminum/Polyester Foil  
**Shield #2:** Tin-Plated Copper Braid  
**Jacket:** FEP, Translucent Blue

## COLOR CODES

**Pair #1:** Red, Black  
**Pair #2:** Blue, Green

F20424 is a 150 Ohm quad fiber channel cable specifically designed for airborne high-speed data applications. Each conductor is surrounded by a foam fluoropolymer insulation and is designed to be terminated in ARINC 600 and 38999 quadrx contacts. A fluoropolymer jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation.

F20424 is an approved cable by Honeywell for the EPIC/APEX System.

## PHYSICAL DATA

**Conductor:** 24 AWG Stranded SPHSCA  
**Shield Coverage:** 100% Foil, 90% (Min)  
**Temperature Range:** -55° to +150°C  
**Outer Diameter:** in (mm) 0.206 (5.23)  
**Minimum Bend Radius:** in (mm) 1.2 (30.48)  
**Weight:** lbs/100 ft (kg/100 m) 3.65 (5.4)

## ELECTRICAL DATA

**Impedance:** 150 ohms  
**Capacitance:** pF/ft (m) 8.5 (27.9)  
**Velocity of Propagation:** 80%  
**DC Resistance:** ohms/1000 ft (m) 26.2 (86.0)  
**Dielectric Voltage Rating:** (kV (rms)) 0.9

## ENVIRONMENTAL DATA

**Skydrol Resistant:** SAE AS4373E, Method 601  
**RoHS Compliant:** RoHS Directive 2002/95/EC  
**Flame / Smoke Requirements:** FAR Part 25.869 (a) App. F, Part 1, (a)(3)  
**Berry Specialty Metals Compliance:** Complies with DFARS 252.225-7014, Alt 1

## ATTENUATION DATA

| Frequency | Nom dB/100 ft (m) |
|-----------|-------------------|
| @10 MHz   | 1.6 (5.2)         |
| @100 MHz  | 5.2 (17.1)        |
| @500MHz   | 11.5 (37.7)       |

*All values nominal, unless otherwise noted*

**F20424 QUAD FIBER CHANNEL CABLE**

