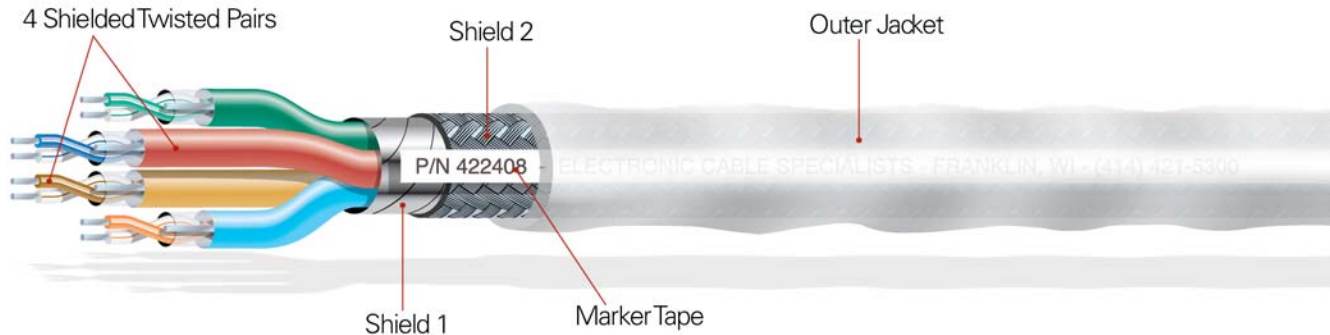




Providing complete avionics installation provisions  
and support for the Aviation industry since 1984.

# Ethernet Cable

**P/N 422408**



## **8 Conductors, 100 Ohms**

### **4 Shielded Twisted Pairs:**

**Conductors:** 24 AWG stranded tin plated copper  
**Insulation:** High temperature fluoropolymer foam  
**Binder:** Clear Mylar tape  
**Drain Wire:** 24 AWG stranded tin plated copper  
**Shield:** Aluminum/Mylar foil

### **Overall Cable:**

**Shield 1:** Aluminum/Mylar foil  
**Shield 2:** 36 AWG stranded tin plated copper  
**Outer Jacket:** White high temperature fluoropolymer  
(laser markable)

## **Physical Characteristics**

**Outer Diameter:** 0.299 inches nominal  
**Bend Radius:** 1.5 inches  
**Weight:** 6.0 lbs/100 ft  
**Temperature Range:** -55° to +200° C  
**Skew:** < 12.8 ns/100 ft BUS  
**Skydrol Resistant:** Yes

## **Applications**

LVDS RIB Cable, ARINC 646, Ethernet

## **Color Code:**

**Pair 1:** White/Blue, Blue/White  
**Pair 2:** White/Orange, Orange/White  
**Pair 3:** White/Green, Green/White  
**Pair 4:** White/Brown, Brown/White

**Pair 1, Shield:** Red  
**Pair 2, Shield:** Blue  
**Pair 3, Shield:** Green  
**Pair 4, Shield:** Gold

## **Environmental:**

- ECS Composite cables are designed to meet, or exceed, burn requirements as set forth in Federal Aviation Regulations 14 CFR Part 25.869(a)(4) Amdt 25-113, Appendix F Part I(a)(3).
- They are manufactured with materials which, when subjected to flames or high temperatures, will not outgas deadly hydrogen chloride produced by conventional PVC cables.

**Cage Code:** 66197 • **Issue Date:** 9/21/09

5300 W. Franklin Drive  
Franklin, Wisconsin 53132 USA

414.421.5300 • 800.327.9473  
sales@ecsdirect.com • www.ecsdirect.com

