



The High-Speed Ultraminiature Connector for Harsh Environments

# 26 AWG High-Speed 4 Pair Cables for El Ochito® Red

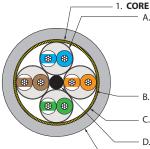
## Aerospace Grade 26 AWG S/FTP, High-Speed Cable

Glenair Part Number

#### 963-122-1 Duralectric Light 963-122-2 Polyurethane LSZH 963-122-3 FEP Jacket

S/FTP aerospace grade 26 AWG cable has an individual foil shield around each data pair for reduced crosstalk and attenuation. This high-speed cable features three cable jacket material options. High-density construction significantly reduces weight and diameter.

## **Construction Details**



 A. (4X) DATA PAIR: 100 ±10 OHM (SHIELDED TWISTED PAIR)
CONDUCTORS: 2X SIZE 26 AWG (7/34) SILVER PLATED COPPER
CONDUCTOR INSULATION: PFA Ø.045
PAIR SHIELD: ALUMINUM/POLYIMIDE TAPE FOIL SIDE OUT
B. OUTER SHIELD: 40 AWG SILVER PLATED COPPER BRAID, 90% MIN. COVERAGE

C. OUTER JACKET: PTFE TAPE
D. FILLER: PTFE
ACCET MATERIAL: DEP D/AL DEVELOPMENT

2. JACKET MATERIAL: PER P/N DEVELOPMENT COLOR: BLACK

### **Color Code**

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications			
Jacket Material	963-122-1 Duralectric		
	963-122-2 Polyurethane LSZH		
	963-122-3 FEP		
Impedance (ohms)	100 (+10 -5)		
Temperature Rating	963-122-1 & -3: -65° to +200° C		
	963-122-2: -40° to +90° C		
Weight (lbs/1000 ft.)	32.0		
Outside Diameter	963-122-1 and -3: .299 (7.59)		
	963-122-2: .277 (7.04)		
Capacitance (pF/ft)	12.5		
Time Delay	1.24 ns/ft		
Maximum Attenuation at 5m Length	Frequency	dB	
	.625 Ghz	4.5	
	.825 Ghz	5.0	
	1.25 Ghz	6.5	
	2.5 Ghz	9.5	
	5.0 Ghz	15.5	
	7.5 Ghz	21.0	
	7.5 0112		
	8.1 Ghz	22.5	

# 26 AWG S/FTP Cat 6A Cable

Glenair Part Number	963-033-26
Manufacturer Part Number	RCN9047-26
Manufacturer	Gore

S/FTP 26 AWG cable has an individual foil shield around each data pair for reduced crosstalk and attenuation. This high data rate Ethernet cable features a unique cable jacket material and high-density construction that significantly reduces weight and diameter. Meets ANSI/TIA 568-C.2 Category 6A requirement up to 213 feet/65 meters. *Qualified to SAE AS6070/5 and /6.* 

#### **Construction Details**

CONDUCTOR 26 AWG 19/38 SILVER PLATED HIGH STRENGTH COPPER ALLOY

HIGH STRENGTH COPPER ALLO WIRE INSULATION

ePTFE OVER PTFE .050 (1.32)

PAIR SHIELD ALUMINIZED POLYIMIDE (ALUMINUM OUT)

OVERALL SHIELD AWG 40 SPC BRAID 92% MIN COVERAGE

FILLER FEP/ePTFE .036 (0.94) DIA.

JACKET ENGINEERED FLUOROPOLYMER EF100 WHITE LASER MARKABLE 0.004 (0.10) WALL 0.220 (5.59) MAX DIAMETER

## Color Code

Pair #1 Blue, White/Blue · Pair #2 Orange, White/Orange · Pair #3 Green, White/Green · Pair #4 Brown, White/Brown

Specifications				
Impedance (ohms)	100 (+10 -5)			
Temperature Rating	-65° to +200°C			
Weight (lbs/1000 ft.)	32.0			
Bend Radius	.44 (11.18)			
Capacitance (pF/ft)	12.5			
Time Delay	1.24 ns/ft			
	Frequency	dB		
	10 MHz	5.9		
Maximum Attenuation	100 MHz	19.1		
at 65m Length	200 MHz	27.6		
	250 MHz	31.1		
	500 MHz	45.3		
	Frequency	dB		
	1 MHz	74.3		
NEVT (minimum)	10 MHz	59.2		
NEXT (minimum)	100 MHz	52.3		
	250 MHz	47.9		
	500 MHz	42.2		