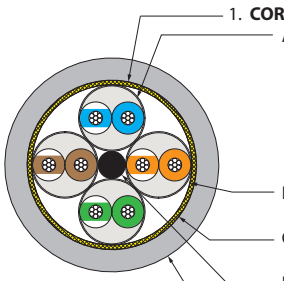
26 AWG High-Speed 4 Pair Cable for El Ochito® Red

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

Glenair Part Number	963-122-1 Duralectric Lite
	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



1. **CORE**
   - 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
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

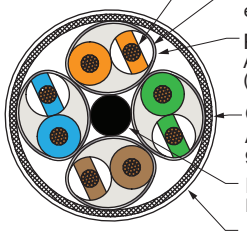
Jacket Material	963-122-1 Duralectric	
	963-122-2 Polyurethane LSZH	
	963-122-3 FEP	
Impedance (ohms)	100 (+10 -5)	
Temperature Rating	963-122-1 & -3: -65° to +200° C	
	963-122-2: -40° to +90° C	
Weight (lbs/1000 ft.)	32.0	
Outside Diameter	963-122-1 and -3: .299 (7.59)	
	963-122-2: .277 (7.04)	
Capacitance (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
	8.1 GHz	22.5

26 AWG S/FTP Cat 6A Cable

Glenair Part Number	963-033-26

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 Cat 6A requirement up to 213 feet/65 meters.

Construction Details



- **CONDUCTOR**
  26 AWG 19/38 SILVER PLATED COPPER ALLOY
- **WIRE INSULATION**
  ePTFE / PTFE, Ø.050 (1.27)
- **PAIR SHIELD**
  ALUMINIZED POLYIMIDE (ALUMINUM OUT)
- **OVERALL SHIELD**
  AWG 40 SILVER-PLATED COPPER 92% MIN COVERAGE
- **FILLER**
  FEP/ePTFE, .036 (0.12)
- **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	
Maximum Attenuation at 65m Length	**Frequency**	**dB**
	10 MHz	5.9
	100 MHz	19.1
	250 MHz	31.1
	500 MHz	45.3
NEXT (minimum)	**Frequency**	**dB**
	1 MHz	74.3
	10 MHz	59.2
	100 MHz	52.3
	250 MHz	47.9
	500 MHz	42.2

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Dimensions in Inches (millimeters) are subject to change without notice.