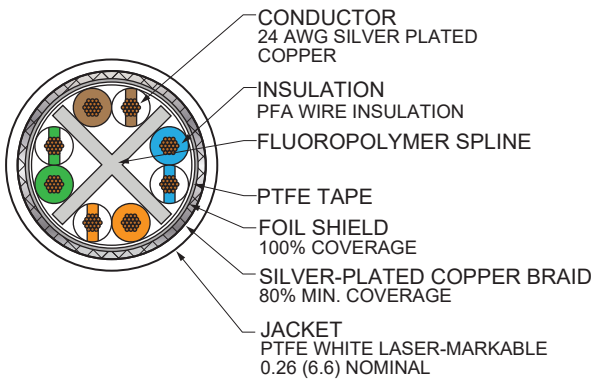
24 / 26 AWG Category 6A Ethernet Cable 963-037 / 963-122

Aerospace-Grade 24 AWG S/UTP Cat 6A Cable

Glenair Part Number	963-037-24

S/UTP 24 / 26 AWG cable is specially designed for airborne 10 Gigabit Ethernet applications. Twisted pairs are separated by a fluoropolymer spline for reduced crosstalk and attenuation. This 200°C rated cable is Skydrol resistant, RoHS compliant and meets FAA FAR Parts 23 and 25 Appendix F flammability requirements. Laser-markable white PTFE jacket withstands abrasion and chemicals. Meets ANSI/TIA-568-C.2 Category 6A performance up to 246 feet.

Construction Details



Color Code

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

Specifications

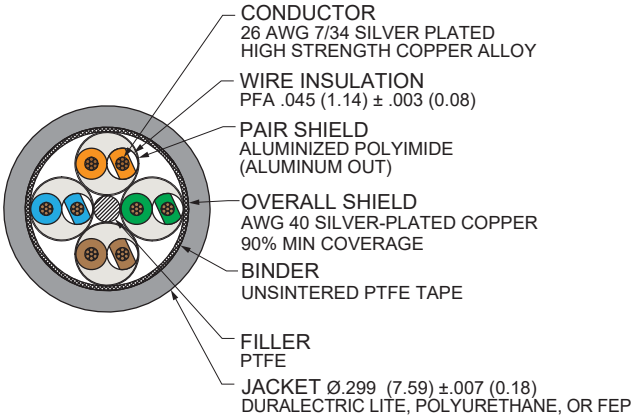
Impedance (ohms)	100	
Temperature Rating	-55° to +200°C	
Weight (lbs/100 ft.)	4.6	
Capacitance (pF/ft)	14.5	
Minimum Bend Radius (inches)	.78	
Velocity of Propagation %	70	
Dielectric Voltage Rating (kV rms)	1.5	
DC Resistance, Max (ohms/1000 ft.)	28.5	
Max Distance in Feet (m)	246 (75)	
Attenuation Nom / Max	**Frequency**	**dB/100 ft.**
	10 MHz	2.3 / 2.6
	100 MHz	7.0 / 8.4
	250 MHz	11.4/ 13.7
	500 MHz	16.5 / 20.0

Aerospace-Grade 26 AWG S/FTP 4-Pair High-Speed Cable

Glenair Part Number	963-122-1 Duralectric Lite Jacket 963-122-2 Polyurethane Jacket 963-122-3 FEP Jacket

For use with El Ochito Red contacts. S/FTP 26 AWG cable has a foil shield around each data pair for reduced crosstalk and attenuation. High data rate cable jacket is avaialble in 3 material types incluing Duralectic Lite, polyurethane and FEP. The high-density construction significantly reduces weight and diameter. Meets ANSI/TIA 568-C.2 Category 6A requirements up to 65 meters (213 feet). Meets HDMI 2.0 and DisplayPort 1.2 up to 5 meters.

Construction Details



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	
Temperature Rating	-65° to +200° C	
Weight (lbs/100 ft.)		
Capacitance (pF/ft)		
Time Delay		
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