

24 AWG Cat 6A Ethernet Cables for El Ochito® White

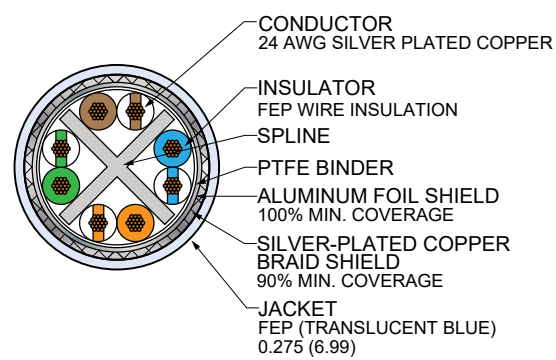
BULK CABLE

24 AWG S/UTP Cat 6A Cable

Glenair Part Number **963-003-24**

S/UTP 24 AWG cable delivers 10 Gigabit ethernet performance and is small, lightweight, and flexible. 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. Rugged, FEP translucent jacket withstands abrasion and chemicals. Exceeds ANSI/TIA-568-C.2 Cat 6A Channel Requirements. Performance up to 246 feet/ 75 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
Temperature Rating	-55° to +200°C
Weight (lbs/100 ft.)	5.3
Capacitance (pF/ft)	14.5
Minimum Bend Radius (inches)	1.40
Velocity of Propagation %	70.0
Dielectric Voltage Rating (kV rms)	1.5
Max Distance in Feet (m)	246 (75)

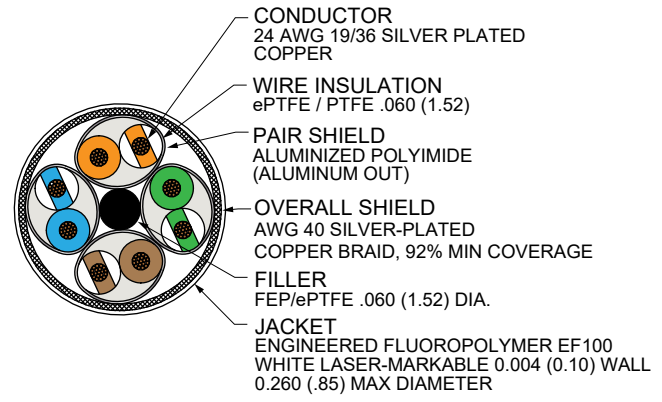
Attenuation Nom / Max	Frequency	dB/100 ft.
	10 MHz	2.2/2.6
100 MHz	6.8/8.2	
250 MHz	10.9/13.1	
500 MHz	15.6/18.7	

24 AWG S/FTP Cat 6A Cable

Glenair Part Number **963-033-24**

S/FTP 24 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 cable weight and diameter. Meets TIA 568-C.2 Cat 6A requirement up to 262 feet/80 meters. **Qualified to SAE AS6070/5 and /6.**

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/-5)
Temperature Rating	-65° to +200°C
Weight (lbs/1000 ft.)	42.0 nom /45.0 max
Capacitance (pF/ft)	12.5
Time Delay	1.24 ns/ft
Bend Radius (min)	.54 (13.72)

Maximum Attenuation at 80m Length	Frequency	dB
	10 MHz	5.9
100 MHz	19.1	
200 MHz	27.6	
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	

24 AWG Cat 6A Ethernet Cables for El Ochito[®] White

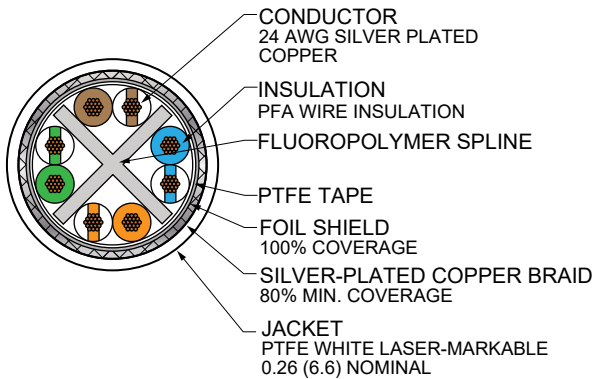
BULK CABLE

24 AWG S/UTP Cat 6A Cable

Glenair Part Number **963-037-24**

S/UTP 24 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 Cat 6A performance up to 246 feet/75 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	
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)	262 (80)	
Attenuation Nom / Max	Frequency	dB/100 ft.
	10 MHz	2.1/2.4
	100 MHz	6.6/7.9
	250 MHz	10.7/12.9
	500 MHz	15.6/18.7