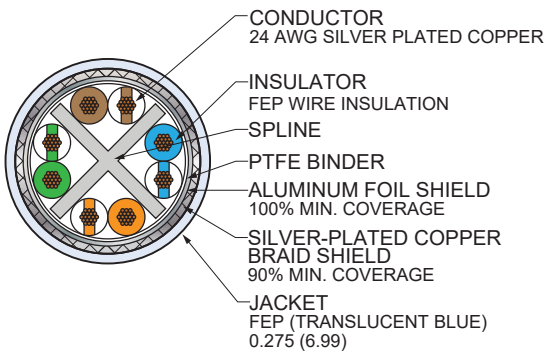
24 AWG Cat 6A Ethernet Cables for El Ochito® White

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

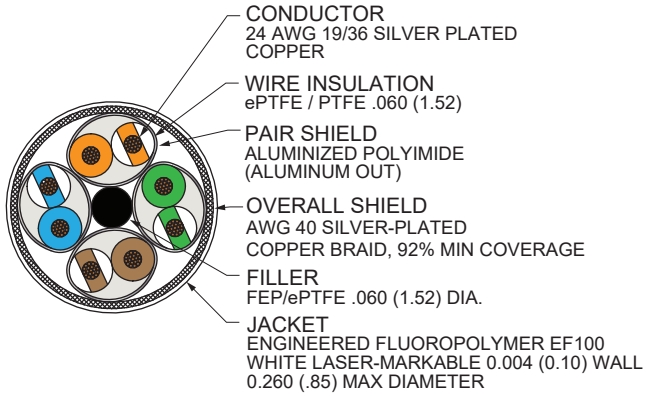
Impedance (ohms)	100	
Temperature Rating	-55° to +200°C	
Weight (lbs/100 ft.)	5.3	
Capacitance (pF/ft)	14.5	
Minimum Bend Radius (inches)	1.40	
Velocity of Propagation %	70.0	
Dielectric Voltage Rating (kV rms)	1.5	
Max Distance in Feet (m)	246 (75)	
Attenuation Nom / Max	**Frequency**	**dB/100 ft.**
	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 weight and diameter. Meets TIA 568-C.2 Cat 6A requirement up to 262 feet/80 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/-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

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

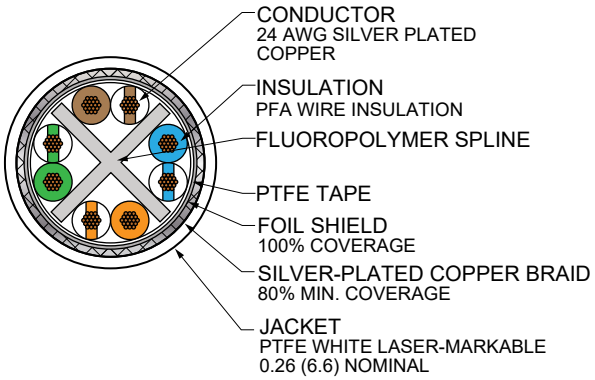
24 AWG Cat 6A Ethernet Cables for El Ochito® White

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

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