

Cat 6A Cable for El Ochito® Contacts

26 and 24 AWG S/FTP Cat 6A Cable

Glenair Part Number

963-033-26 / -24

S/FTP 26 and 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 highdensity construction that significantly reduces weight and diameter. Meets TIA568C.2 Category 6A requirement up to 65 meters for 26 AWG, 80 meters for 24 AWG. Qualified to SAE AS6070/5 and /6.

Construction Details

CONDUCTOR SILVER-PLATED HIGH STRENGTH COPPER ALLOY 26 AWG =19X38 / 24 AWG =19X36

WIRE INSULATION ePTFE / PTFE 26 AWG = .050 (1.27) 24 AWG = .060 (1.52)

PAIR SHIELD

ALUMINIZED POLYIMIDE (ALUMINUM OUT)

OVERALL SHIELD AWG 40 SILVER-PLATED COPPER 92% MIN COVERAGE

FILLER FEP/ePTFF 26 AWG = .036 (0.94)Ø / 24 AWG = .060 (1.52)Ø JACKET ENGINEERED FLUOROPOLYMER EF100 WHITE LASER-MARKABLE 0.004 (0.10) WALL 26 AWG =0.220 (5.59) MAX Ø 24 AWG =0.260 (6.60) MAX Ø

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.) (max.)	26 AWG = 35.0 / 24 AWG = 42.0				
Capacitance (pF/ft)	12.5				
Time Delay (ns/ft)	1.24				
Maximum Attenuation 26AWG at 65m Length 24AWG at 80m 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			

26 AWG S/UTP Cat 6A Cable

Glenair Part Number

963-003-26

S/UTP 26 AWG cable is small, lightweight and flexible. Twisted pairs are separated by a fluoropolymer spline for reduced crosstalk and attenuation. This 200 °C cable is Skydrol resistant, RoHS compliant and meets FAA FAR Parts 23 and 25 Appendix F flammability requirements. Rugged, laser-markable PTFE jacket withstands abrasion and chemicals. Meets TIA568C.2 Category 6A performance up to 188 feet.

Construction Details

CONDUCTOR 26 AWG 19X38 SILVER PLATED HIGH STRENGTH COPPER ALLOY

FOUR TWISTED PAIRS PFA WIRE INSULATION

SPLINE FLUOROPOLYMER

FLUOROPOLYMER TAPE

SILVER-PLATED COPPER BRAID 80% MIN. COVERAGE

PTFE WHITE LASER-MARKABLE 0.22(5.59)

Color Code

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

raii #3 Green, White/Green · raii #4 blown, White/blown					
Specifications					
Impedance (ohi	ms)	100 ± 10			
Temperature Ra	iting	-55 to +200 °C			
Weight (lbs/100	ft.)	3.5			
Capacitance (pl	-/ft)	14.5			
Minimum Bend Radius (inches)		0.66			
Velocity of Propagation %		70			
Dielectric Voltage Rating (kV rms)		1.5			
DC Resistance, Max (ohms/1000 ft.)		44.8			
Max Distance in Feet		188			
Freq.	Attenuation	NEXT	SRL		
(MHz)	dB/100ft. max.	dB min.	dB min.		

Freq. (MHz)	dB/100ft. max.	MEX I dB min.	dB min.	
10	3.7	59.3	25.0	
100	11.2	44.3	20.1	
250	17.4	38.3	15.2	
500	24.0	33.8	15.2	