ADVANCED PERFORMANCE

SuperNine® High-Speed Series

MIL-DTL-38999 Series III Type Environmental Connectors

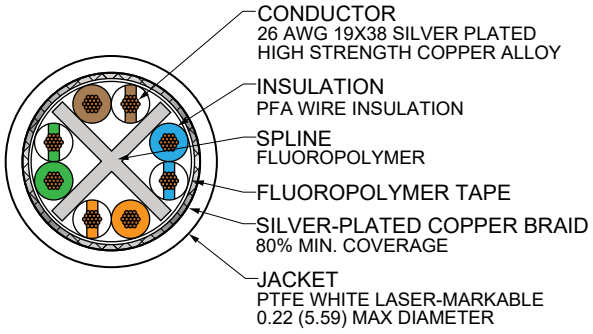
26 AWG Category 6A Ethernet Cables 963-003 and 963-033

26 AWG S/UTP Cat 6A Cable

Glenair Part Number	963-003-26
Manufacturer Part Number	E6A3826
Manufacturer	PIC

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 rated 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 ANSI/TIA-568-C.2 Category 6A performance up to 188 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

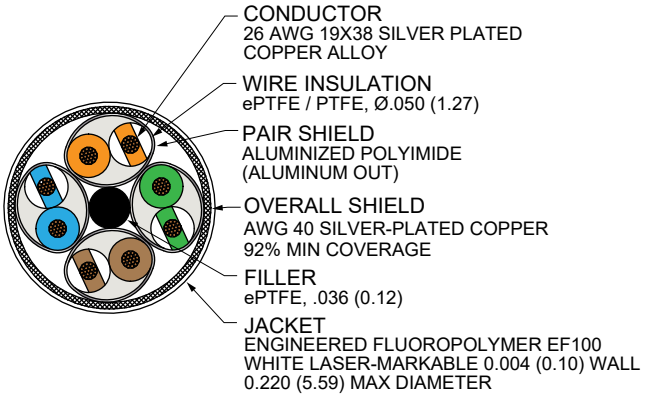
Impedance (ohms)	100 ±10	
Temperature Rating	-55° to +200°C	
Weight (lbs/100 ft.)	3.05	
Capacitance (pF/ft)	14.5	
Minimum Bend Radius (inches)	0.66	
Velocity of Propagation %	70	
Dielectric Voltage Rating (kV rms)	1.5	
DC Resistance, Max (ohms/1000 ft.)	44.8	
Max Distance in Feet (m)	188 (57)	
Attenuation Max	**Frequency**	**dB/100 ft.**
	10 MHz	3.7
	100 MHz	11.2
	250 MHz	17.4
	500 MHz	24.0

26 AWG S/FTP Cat 6A Cable

Glenair Part Number	963-033-26
Manufacturer Part Number	RCN9047-26
Manufacturer	Gore

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 Category 6A requirements up to 65 meters (213 feet). ***Qualified to SAE AS6070.***

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/100 ft.)	3.2 (.32)	
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