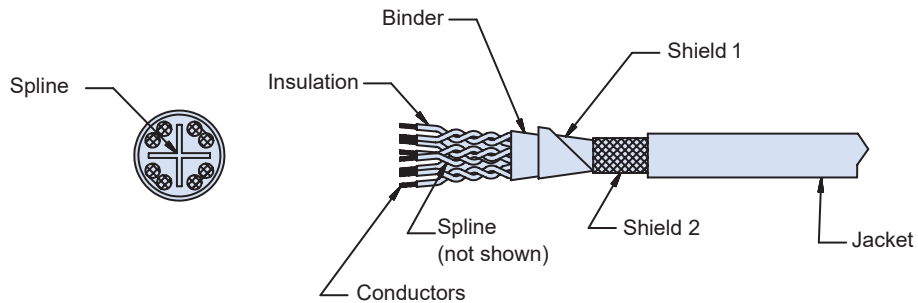


SERIES 80 MIGHTY MOUSE COMPATIBLE
High-Speed Bulk Cable
 Avionic Cat 6A Ethernet Cable



963-003: 10G BASE-T ETHERNET CABLE WITH FEP JACKET

How to Order	
963-003-24	24 AWG
963-003-26	26 AWG



Construction Details		
	963-003-24	963-003-26
Conductor	24 AWG silver plated copper	26 AWG stranded silver plated copper
Insulation	FEP	PFA
Colors	Pair #1 blue, white/blue Pair #2 orange, white/orange Pair #3 green, white/green Pair #4 brown, white/brown	Pair #1 blue, white/blue Pair #2 orange, white/orange Pair #3 green, white/green Pair #4 brown, white/brown

Final Assembly		
	963-003-24	963-003-26
Conductors	Silver plated copper	Silver plated copper
Insulation	FEP	PFA
Cable	Four twisted pairs cabled around a center filler	Four twisted pairs cabled around a center filler
Spline	FEP	Fluoropolymer
Binder	Skive PTFE tape	Fluoropolymer tape
Shield 1	Aluminum mylar	n/a
Shield 2	38 AWG silver plated copper braid 90% coverage	silver plated copper braid 80% coverage
Jacket	FEP Color: Translucent blue .275" Nominal OD	PTFE laser printable jacket Color: White .220" nominal OD

Properties		
	963-003-24	963-003-26
Impedance	100 Ohms ± 10%	100 Ohms ± 10%
Attenuation (dB/100 Ft)	10 MHz - 2.4 100 MHz - 7.5 500 MHz - 17.7	10 MHz - 3.7 100 MHz - 11.2 500 MHz - 24.0
NEXT	10 MHz - 59.3 100 MHz - 44.3 250 MHz - 38.3 500 MHz - 33.8	10 MHz - 59.3 100 MHz - 44.3 250 MHz - 38.3 500 MHz - 33.8
SRL	10 MHz - 25.0 100 MHz - 20.1 250/500 MHz - 15.2	10 MHz - 25.0 100 MHz - 20.1 250/500 MHz - 15.2
Capacitance (pF/ft)	14.5 (nominal)	14.5 (nominal)
Velocity of Propagation	70% (nominal)	70% (nominal)
DWV	1.5 KV RMS	1.5 KV RMS
Temperature Rating	-55° to +200° C	-55° to +200° C
Minimum Bend Radius	1.40 Inches	.660 Inches
Weight	5.5 lbs/100 ft	3.05 lbs/100 ft
Max Cabling Distance	240 Feet (10GBASE-T)	188 Feet

NOTES

- Cable identified with manufacturer's name and part number.
- Cable is sold in 1 foot increments. Specify desired length on purchase order.
- Meets TIA-568B Cat-6A requirements when terminated to appropriate high speed connectors.
- Skydrol resistant, RoHS compliant, and passes flammability requirements of FAR part 23 and 25, appendix F.