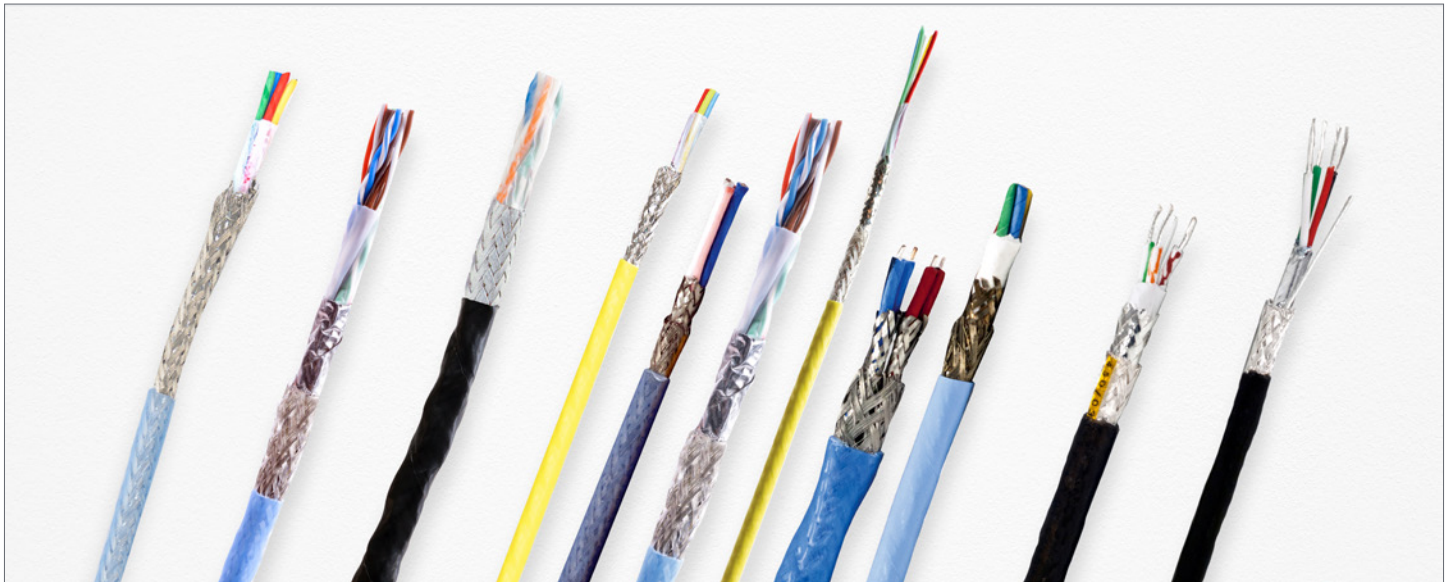


High-Speed Digital Data Cables

Gigabit, NETflight®, and Maxflite™ Series



Gigabit Series Ethernet Cables | NETflight® Series Ethernet Cables | Maxflite™ Series Cables

INTRODUCTION

We manufacture a wide variety of high-performance data cables designed to meet the needs of aerospace, defense, military, ground transportation, industrial, and RF communication applications like:

- » Ethernet Backbone
- » Avionics
- » High-Definition Video
- » Cabin Management Systems
- » IFEC
- » Bus

High-Speed Digital Data Cable Series:

Gigabit Ethernet cables have been developed in a wide variety of configurations to provide 1 and 10 Gb performance in the most demanding applications.

NETflight® Ethernet cables in single pair, dual pair, and quadrx configurations are widely used throughout the aerospace industry and provide superior electrical and mechanical performance.

Maxflite™ cables provide high-speed performance for the popular video and data bus protocols:

- » HDMI
- » DVI
- » USB
- » Firewire

In addition to the standard protocols, we also offer:

- » Custom Designs
- » Assembly Services

FEATURES & BENEFITS

- » Exceptional electrical and mechanical performance
- » Operating performance from -55 °C to as high as 200 °C
- » Meets the requirements of aerospace and other harsh environments including FAR 25.853 flammability and Boeing/Airbus smoke and toxicity requirements
- » Multiple configurations to meet the needs of almost any application
- » Lightweight versions to address weight and space requirements
- » Advanced technologies, including bonded pairs and an innovative X-Web, reduce crosstalk and ensure installable performance

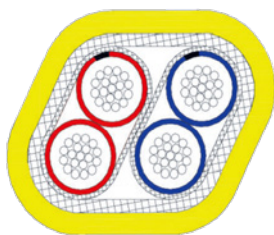
High-Speed Digital Data Cables

NETflight® Series

NETflight® Series	100 Base-T Shielded Twisted Pair		100 Base-T Shielded Quad					100 Base-T Single Twisted Pair			
	22 AWG	24 AWG	22 AWG	24 AWG		26 AWG	22 AWG	24 AWG	26 AWG		
Part Number	NF22P100	NF24P100	NF22Q100-01	NF24Q100-01	NF24Q100-01HP	NF24Q100-01-DL-ALW	NF26Q100-01	NF22T100	NF24T100	NF26T100	
Impedance	100 Ω		100 Ω					100 Ω			
Velocity of Propagation	78%		78%					78%			
Attenuation @ 100 MHz	Nom dB/100 ft	5.6	6	6.4	8	8	8	9.3	5.8	6.6	8.5
	Max dB/100 ft	6.7	7.1	7.3	9.2	9.2	9.2	11	6.7	7.7	9.9
Nom. Weight lb/1000 ft (kg/1000 m)	42 (63)	35 (51)	35 (51)	24.5 (37)	24.5 (36.4)	20.5 (30.5)	19 (28)	26 (38)	18.5 (28)	15.5 (23)	
Nom. Size in (mm)	0.195 x 0.306 (4.95 x 7.37)	0.175 x 0.276 (4.45 x 7.01)	0.190 (4.83)	0.160 (4.06)	0.160 (4.06)	0.160 (4.06)	0.137 (3.45)	0.180 (4.57)	0.145 (3.68)	0.132 (3.35)	
Bend Radius in (mm)	1.95 (49.5)	1.75 (44.5)	1.90 (48.3)	1.60 (40.6)	1.60 (40.6)	1.60 (40.6)	1.37 (34.5)	1.80 (45.7)	1.45 (36.8)	1.32 (33.5)	
Operating Temp**	-55 to 150 °C		-55 to 150 °C		-55 to 200 °C	-55 to 150 °C		-55 to 150 °C			
Meets FAR 25.853	✓		✓					✓			
Meets Boeing/Airbus Smoke & Toxicity	✓		✓					✓			

**Available at -65 °C. Contact us for details.

100 Base-T Shielded Twisted Pair



100 Base-T Shielded Quad



100 Base-T Single Twisted Pair

