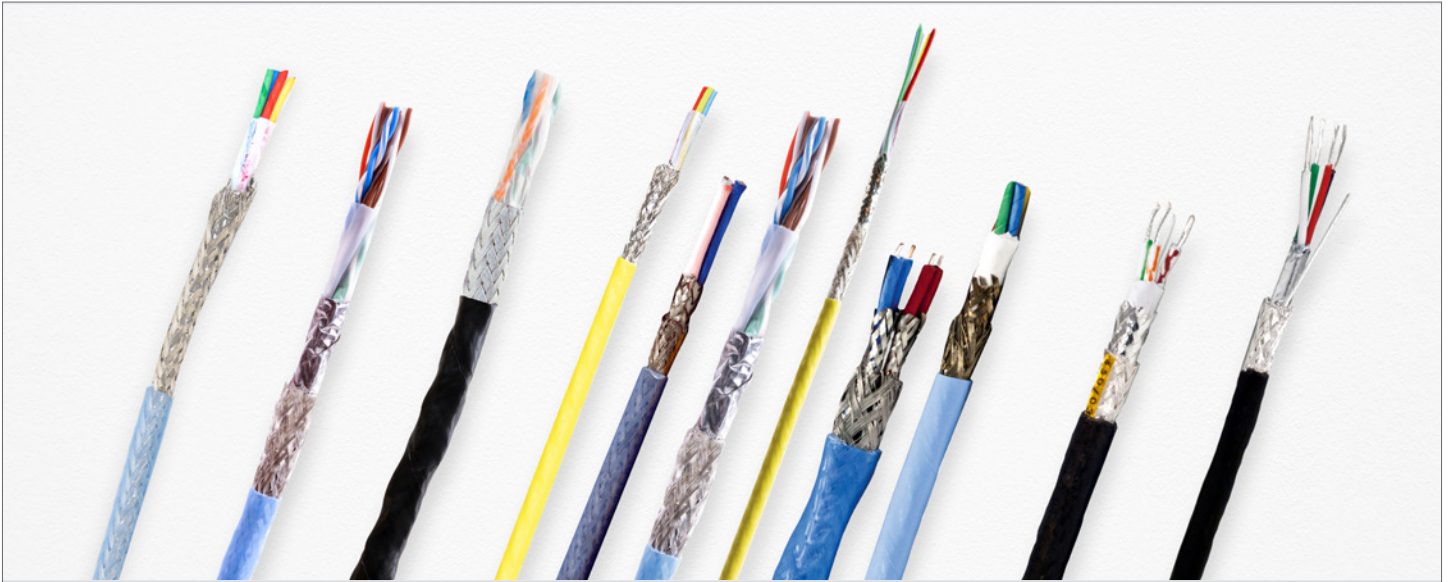


High-Speed Digital Data Cables

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

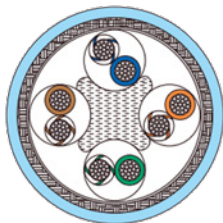
High-Speed Digital Data Cables

Gigabit Series

Gigabit Series	Gigabit-Flexx™		Gigabit-Plus™			Gigabit-10-HP™	Gigabit-10™		Gigabit-STP™	
	24 AWG	26 AWG	24 AWG		26 AWG	24 AWG	24 AWG	26 AWG	26 AWG	
Part Number	MX10G-24FLX	MX10G-26FLX	MX10G-24	MX10G-24-ALW	MX10G-26	MX10G-24HP	NF24GB100-10	NF26GB100-10	NF26-GBSTP-100	
Impedance	100 Ω		100 Ω			100 Ω	100 Ω		100 Ω	
DC Resistance @ 100 ft	2.76 Ω	4.38 Ω	2.76 Ω	2.76 Ω	4.38 Ω	2.76 Ω	2.43 Ω	4.38 Ω	4.38 Ω	
Velocity of Propagation	70%		70%			70%	77%		77%	
Attenuation @ 100 m	@ 100 MHz	26.4 dB	31.6 dB	24 dB	24 dB	29 dB	22.0 dB	24.1 dB	27.2 dB	38 dB
	@ 250 MHz	N/A	N/A	40 dB	40 dB	48 dB	32 dB	39.2 dB	44.3 dB	62 dB
	@ 500 MHz	N/A	N/A	N/A	N/A	N/A	48 dB	57.2 dB	64.6 dB	90.6 dB
Weight lb/1000 ft (kg/1000 m)	35 (52)	28 (42)	50 (74)	45 (67)	35 (52)	55 (82)	45 (66.6)	33 (48.8)	50 (74)	
Size in (mm)	0.245 (6.22)	0.195 (4.95)	0.270 (6.86)	0.270 (6.86)	0.220 (5.59)	0.290 (7.36)	0.282 (7.16)	0.232 (5.89)	0.300 (7.62)	
Min. Bend Radius in (mm)	1 (25.4)	0.75 (19.05)	2 (50.8)	2 (50.8)	1.75 (44.45)	0.5 (12.7)	2.82 (71.6)	2.32 (58.9)	3 (76.2)	
Operating Temp**	-55 to 200 °C		-55 to 150 °C			-55 to 150 °C	-55 to 150 °C		-55 to 150 °C	
ROHS Compliant	✓		✓			✓	✓		✓	
Meets FAR 25.853 Flammability Requirements	✓		✓			✓	✓		✓	
Meets Boeing/Airbus Smoke & Toxicity Requirements	✓		✓			✓	✓		✓	

*Gigabit-10 cables are designed specifically for use with an Octax® connector. **Available at -65 °C. Contact us for details.

Gigabit-Flexx™



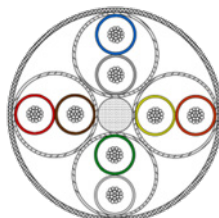
Gigabit-Plus™



Gigabit 10-HP™



Gigabit-10



Gigabit-STP™

