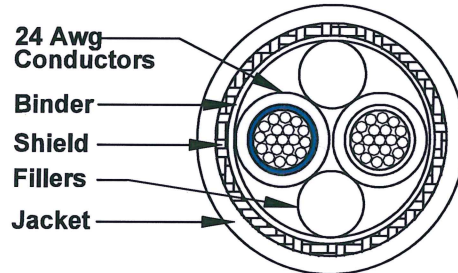


REVISIONS				
ECN	REVISION	DESCRIPTION OF CHANGE	APPROVED	DATE
344	NR	INITIAL RELEASE	KMK	1-19-21
367	A	CHANGED TEMP RATING FROM 200 TO 150 ADDED CONDUCTOR TO BREAK STRENGTH CHANGED FAR 14 CFR FROM WILL MEET TO MEETS	CC	2-23-21
368	B	ADDED AMENDMENT 25-113 TO 25.869 (a)(4)	CC	2-25-21

GigaFlight P/N GF120T-24CANB



CONSTRUCTION:

Conductors: (19 x 36) 24 AWG Silver plated Percon 24
.024 O.D. ± .001 O.D.

1st Insulation: .006 Solid MFA, .035 O.D. nominal
Color: dark blue, white

2nd Insulation: .011 Foamed FEP, .057 O.D. nominal
Color: natural, natural

Fillers: FEP, .038 O.D. nominal

Binder: PTFE tape, .116 O.D. nominal

Shield: Tin plated copper flat braid
92% min. coverage, .128 O.D nominal

Jacket: .007, White laser markable ETFE EP-521
.142 +/- .010

Jacket Marking: GIGAFLIGHT P/N GF120T-24CANB
(spacing every 12 inches)

ELECTRICAL:

Impedance: 120 +/- 12 Ohms

Capacitance: 11.5 pF/ft nominal

Velocity of Propagation: 75% nominal

Attenuation: 1.0 dB/100ft maximum @ 1 MHz
2.0 dB/100ft maximum @ 6 MHz
2.7 dB/100ft maximum @ 10 MHz
7.4 dB/100ft maximum @ 100 MHz

Shield DCR: 13.3 Ohms/1000ft max @ 20° C

Dielectric Withstanding Voltage: 1.5 KV rms

DC Resistance: 28.1 Ohms/1000ft max @ 20° C

PHYSICAL:

Weight: 1.35 lbs/100ft nominal

Conductor Break Strength: 22.4 lbs minimum

Bend Radius: .76 inches

Temperature Range: -55° to +150° C

Environmental:

GigaFlight aerospace cables are designed to be resistant to Skydrol, and will meet requirements of RoHS and REACH. and meets Federal Aviation Regulations 14 CFR part 25.869 (a)(4) Amendment 25-113, Appendix F part I(a)(3).

DESIGNED BY: C CHAPMAN	DATE: 1/18/2021	CHECKED BY: K KRUEGER	DATE: 1/18/2021	APPROVED BY: C CHAPMAN	DATE: 1/18/2021
			DESCRIPTION: CUSTOMER SPECIFICATION 24 AWG 120 OHM LASER MARKABLE CAN Bus CABLE		
6180 Industrial Ct. Greendale WI, 53129 Tel: 414-488-6320 Fax: 414-433-9041		CAGE CODE: 8A8D5	PART NUMBER: GF120T-24CANB	SHEET: 1 OF 1	

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES.
ALL DIMENSIONS ARE FOR REFERENCE ONLY.