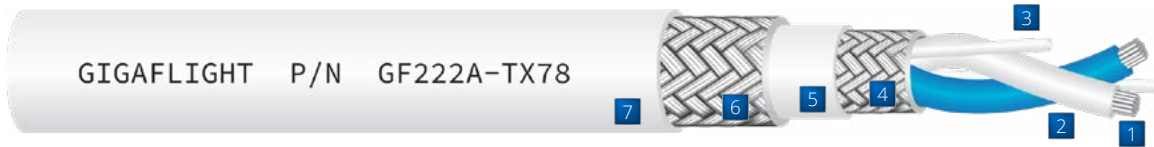




...Your form, fit & function provider

## GF222A-TX78

22 AWG, LASER-MARKABLE 78Ω HIGH TEMP QUADRAXIAL CABLE



### LASER-MARKABLE, HIGH TEMP QUADRAXIAL

GIGAFLIGHT's GF222A-TX78 78Ω, high-temperature Quadaxial cable is designed as a suitable alternative to PIC's D5102QX, with the added advantage of a laser-markable, Tefzel jacket. This cable is used as a 1553 data bus connection from radar sensor to display and symbol generators. The isolated, dual-shield design—similar to a triaxial cable—makes this cable an excellent fit for use in applications where vulnerability to EMI and noise are an issue.

The GF222A-TX78 is available in different color options, contact GIGAFLIGHT for more information.

### JACKET COLORS & APPLICATIONS

|               |        |                  |
|---------------|--------|------------------|
| GF222A-TX78   | White  | Laser Markable   |
| GF222A-TX78-3 | Orange | Flight Test Data |

### ENVIRONMENTAL & MECHANICAL PROPERTIES

|                       |                                |
|-----------------------|--------------------------------|
| Outer Diameter        | 0.23" (5.84mm)                 |
| Weight                | 50 lbs/1000ft (74.41 kg/1000m) |
| Operating Temperature | -55°C to +200°C                |
| Minimum Bend Radius   | 1.15" (29.21mm)                |

### CABLE CONSTRUCTION

|   |                  |                                       |
|---|------------------|---------------------------------------|
| 1 | Conductors       | 22 AWG Stranded, Silver-plated Copper |
| 2 | Inner Insulation | Solid, High-temp Fluoropolymer        |
|   | Color Code       | White, Blue                           |
| 3 | Filler           | FEP                                   |
| 4 | Inner Shield     | 36 AWG Silver-plated Copper Braid     |
| 5 | Inner Jacket     | White Fluoropolymer                   |
| 6 | Outer Shield     | 36 AWG Silver-plated Copper Braid     |
| 7 | Outer Jacket     | White, Laser-markable Tefzel          |

### ELECTRICAL PROPERTIES

|                           |                              |               |
|---------------------------|------------------------------|---------------|
| Impedance                 | 78Ω                          |               |
| Capacitance               | 18.6 pF/ft (61.02 pF/m)      |               |
| Velocity of Propagation   | 70%                          |               |
| DC Resistance (max)       | 15.2 Ω/1000ft (49.9 Ω/1000m) |               |
| Dielectric Voltage Rating | 1.5 kV RMS                   |               |
| Attenuation (+25°C)       | Frequency                    | dB/100 ft (m) |
|                           | 10 MHz                       | 3.0 (9.8)     |

GIGAFLIGHT's aerospace cables are designed to be resistant to Skydrol, will meet requirements of RoHS & REACH, & meets Federal Aviation Regulations 14 CFR part 25.869 (a)(4), Appendix F part I (a)(3).

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