

G771553



CABLE CONSTRUCTION

Conductors: Silver-Plated High-Strength Copper Alloy
Dielectric: PTFE
Filler: Fluoropolymer Rods

Shield #1: Silver-Plated Copper High-Strength Copper-Alloy Braid
Jacket: ETFE, White (Laser Markable)

COLOR CODES

Pair #1: White, Blue

The G771553 is a 77 ohm twin-axial cable constructed of high quality materials that meet or exceed the requirements for 1553B DataBus cable. G771553 is a laser markable version of Military Standard 1553B DataBus cable that saves weight and time versus using traditional 1553B cable. Most 1553 DataBus applications require identification at regular intervals (e.g. every 2 feet); using traditional 1553B cable and labels requires an investment in label material and installation labor while adding significant weight to the final cable.

PHYSICAL DATA

Conductor: 24 AWG Stranded SPHSCA
Shield Coverage: 90% (Min)
Temperature Range: -55° to +200°C
Outer Diameter: in (mm) 0.125 (3.175)
Minimum Bend Radius: in (mm) 0.65 (16.51)
Weight: lbs/100 ft (kg/100 m) 1.7 (2.5)

ELECTRICAL DATA

Impedance: 77 ohms
Capacitance: pF/ft (m) 23.4 (76.8)
Velocity of Propagation: 68%
DC Resistance: ohms/1000 ft (m) 28.4 (93.2)
Dielectric Voltage Rating: (kV (rms)) 1.0

ENVIRONMENTAL DATA

Skydrol Resistant: SAE AS4373E, Method 601
RoHS Compliant: RoHS Directive 2002/95/EC
Flame / Smoke Requirements: FAR Part 25.869 (a) App. F, Part 1, (a)(3)
Berry Specialty Metals Compliance: Complies with DFARS 252.225-7014, Alt 1

ATTENUATION DATA

Frequency **Max**
dB/100 ft (m)
 @1MHz 1.4 (4.6)

All values nominal, unless otherwise noted

G771553 77 OHM DATABUS CABLE

