

## SuperSpeed USB Cables 963-110 and 963-118

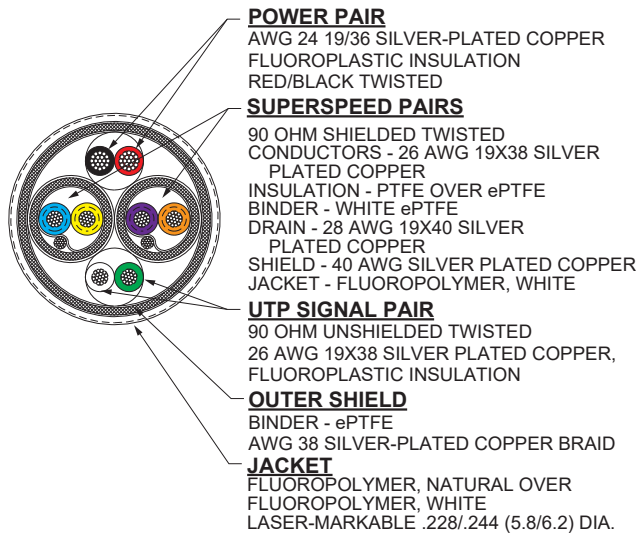
### Aerospace Grade SuperSpeed USB Cable

Glenair Part Number  
**963-110**

High performance, high temperature cable delivers dependable signal integrity over longer cable lengths. Fluoropolymer jacket can be laser-marked. Low-skew SuperSpeed data pairs have individual braid shields.

-65° to +200°C.

#### Construction Details



#### Color Code

SuperSpeed pairs VIO/ORN and BLU/YEL · Power wires RED, BLK · Low speed pair WHT/GRN.

#### Specifications

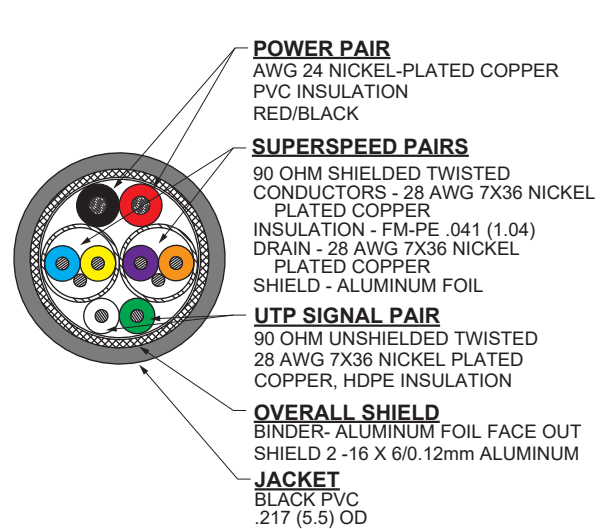
Impedance (ohms)	90 ± 5	
Temperature Rating	-65° to +200°C	
Voltage Rating	< 50 Vac	
Dielectric Withstanding Voltage	100 Vac rms	
Minimum Bend Radius		
Static	.591 (15)	
Dynamic	2.362 (60)	
Weight	57 g/m nominal	
Attenuation (SDD21)	Freq. (GHz)	dB/m max.
	.625	1.2
	1.25	1.7
	2.5	2.5
	5.0	3.9
	7.5	5.0

### Commercial Grade SuperSpeed USB Cable

Glenair Part Number  
**963-118**

90 ohm commercial-grade cable features PVC jacket. SuperSpeed data pairs feature low dielectric constant foamed PE insulation. Each SuperSpeed pair has an aluminized polyester shield. Overall shield is aluminum foil and aluminum wire braid.

#### Construction Details



#### Color Code

SuperSpeed pairs VIO/ORN and BLU/YEL · Power wires RED, BLK · Low speed pair WHT/GRN.

#### Specifications

Impedance (ohms)	90 ± 7 (USB 3.0 pairs)	
Impedance (ohms)	90 ± 15% (USB 2.0 pair)	
Temperature rating	0 to +80°C	
Voltage	30V	
Intra-pair skew	15 ps/1.5m	
Differential to common mode	20 dB/cable @ 0.1-7.5 GHz	
Frequency (GHz)	IL (dB/1.5m)	NEXT (dB)
0.1	1.5	32
1.25	5.0	
2.5	7.5	32
3.0		23
7.5	25.0	23