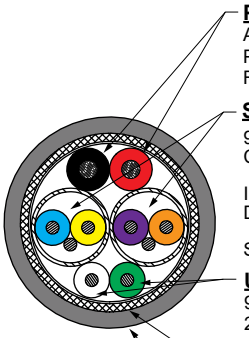
SuperSpeed USB 3.0 Cables for El Ochito® Blue

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



POWER PAIR
AWG 24 NICKEL-PLATED COPPER
PVC INSULATION
RED/BLACK

SUPERSPEED PAIRS
90 OHM SHIELDED TWISTED
CONDUCTORS - 28 AWG 7X36 NICKEL PLATED COPPER
INSULATION - FM-PE .041 (1.04)
DRAIN - 28 AWG 7X36 NICKEL PLATED COPPER
SHIELD - ALUMINUM FOIL

USB 2.0 SIGNAL PAIR
90 OHM UNSHIELDED TWISTED
28 AWG 7X36 NICKEL PLATED
COPPER, HDPE INSULATION

OVERALL SHIELD
SHIELD 1- ALUMINUM FOIL
SHIELD 2 -16 X 6/0.12mm ALUMINUM

JACKET
BLACK PVC
.217 (5.5) OD

Color Code

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

Specifications

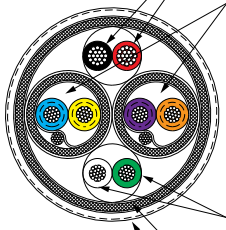
Impedance (ohms)		
High speed pairs	90 ± 7 (USB 3.0 pairs)	
Low-speed pair	90 ±15% (USB 2.0 pairs)	
Temperature Rating	0° to +80°C	
Voltage Rating	30V	
Intra-pair skew	15 ps/1.5m	
Differential to common mode	20 dB/cable @ 0.1 - 7.5 GHz	
Frequency (GHz)	IL (dB@1.5m)	NEXT (dB)
0.1	1.5	32
1.25	5.0	
2.5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

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.

Construction Details



POWER PAIR
AWG 24 19/36 SILVER-PLATED COPPER
FLUOROPLASTIC INSULATION
RED/BLACK TWISTED

SUPERSPEED PAIRS
90 OHM SHIELDED TWISTED
CONDUCTORS - 26 AWG 19X38 SILVER PLATED COPPER
INSULATION - PTFE OVER ePTFE
BINDER - WHITE ePTFE
DRAIN - 28 AWG 19X40 SILVER PLATED COPPER
SHIELD - 40 AWG SILVER PLATED COPPER BRAID
JACKET - FLUOROPOLYMER, WHITE

USB 2.0 SIGNAL PAIR
90 OHM UNSHIELDED TWISTED
AWG 26 19X38 SILVER PLATED COPPER,
FLUOROPLASTIC INSULATION

OUTER SHIELD
BINDER - ePTFE UNDER AND OVER
AWG 38 SILVER-PLATED COPPER BRAID

JACKET
FLUOROPOLYMER, NATURAL OVER
FLUOROPOLYMER, WHITE
LASER-MARKABLE .228/.244 (5.8/6.2) DIA.

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	
Weight	57 g/m nominal	
Bend Radius (min.)	**Static**	**Dynamics**
	0.591 (15)	2.362 (60)
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