Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7569
Title	Cable Spec – Copper (-521)	

Cable Specification

Item No.	Component	Details
1	Cable OD nom.	6.4 mm (0.250”)
2	Fiber	None
3	Jacket	Linden Proprietary Design; ETFE/Aramid Braid/Foamed TPU/TPU
4	Attenuation @ 1310 nm (dB/km)	N/A
5	Attenuation @ 1550 nm (dB/km)	N/A
6	Optical Propagation Loss Measurements	N/A
7	Number of Conductors	Two (2) x # 24
8	Conductor Gauge	#24 AWG (M22759/19-24)
9	Voltage Rating	600V
10	Resistance	28.4 Ω/1,000 ft
11	Tensile Strength (lbs)	300
12	Safe Working Load (SWL)	Recommended guideline - 15% (45 lbs); SWL is application and environment dependent
13	Minimum Bend Radius (MBR)	Recommended guideline - 127 mm (5”); MBR is application and environment dependent
14	Weight in Air (g/m)	31
15	S.G.	0.96 nom.
15	Operating Temperature (°C)	-55 to 100
16	Serialization	All cables will have Cable ID number for traceability

OD (P/N): 6.4 mm (2-CU-B-100-O-109-FQ-230-Q-250)

For color designation add the following to Cable P/N: Blue (-BLU); Brown (-BRN); Green (-GRN); Gray (-GRA); Orange (-ORN); Red (-RED); Violet (-VIO); White (-WHT); Yellow (-YEL); Black (-BLK)