Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7503
Title	Cable Spec – Copper (-464)	

Cable Specification

Item No.	Component	Details
1	Cable OD	8.1 mm (0.318”)
2	Fiber	N/A
3	Jacket	Linden Proprietary Design; Aramid Braid/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)
8	Conductor Gauge	#26 AWG
9	Tensile Strength (lbs)	7,500
10	Safe Working Load (SWL)	Recommended guideline - 15% (1,125 lbs); SWL is application and environment dependent
11	Minimum Bend Radius (MBR)	Recommended guideline - 161 mm (6.4”); MBR is application and environment dependent
12	Specific Gravity	1.13
13	Weight in Air	58 kg/km (39 lbs/1,000 ft)
14	Weight in Seawater (1.03 g/cm^3)	5.2 kg/km (3.5 lbs/1,000 ft)
15	Serialization	All cables will have Cable ID number for traceability
16	Test Data	A package detailing optical propagation will be supplied with each shipment

OD (P/N): 8.1 mm (2-CU-O-238-Q-318)

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)