Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7509
Title	Cable Spec – Copper (-470)	

Cable Specification

Item No.	Component	Details
1	Cable OD	8.9 mm (0.349”)
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) as a Shielded twisted pair.
8	Conductor Gauge	#26 AWG + #26 AWG DW
9	Tensile Strength (lbs)	10,000
10	Safe Working Load (SWL)	Recommended guideline - 15% (1,500 lbs); SWL is application and environment dependent
11	Minimum Bend Radius (MBR)	Recommended guideline - 177 mm (7”); MBR is application and environment dependent
12	Specific Gravity	1.14
13	Weight in Air	71.5 kg/km (48 lbs/1,000 ft)
14	Weight in Seawater (1.03 g/cm^3)	8 kg/km (5.3 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): 8.9 mm (2-CU-O-269-Q-349-S)

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)