Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7524
Title	Cable Spec – Buoyant Copper (-485)	

Cable Specification

Item No.	Component	Details
1	Cable OD	9.7 mm (0.380”)
2	Fiber	N/A
3	Jacket	Linden Proprietary Design; Aramid Braid/LDPE
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) Pairs
8	Conductor Gauge	Two 2 x #24 AWG Shielded Twisted Pair; 1 x #26 AWG Drain Wire
9	Tensile Strength (lbs)	800
10	Safe Working Load (SWL)	Recommended guideline - 15% (120 lbs); SWL is application and environment dependent
11	Minimum Bend Radius (MBR)	Recommended guideline – 193 mm (7.6”); MBR is application and environment dependent
12	Specific Gravity	1.025
13	Weight in Air	75.24 kg/km (50.56 lbs/1,000 ft)
14	Weight in Seawater (1.03 g/cm^3)	-0.12 kg/km (-0.08 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): 9.7 mm (4-CU-O-180-X-380)

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)