Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7584
Title	Cable Spec – Buoyant Copper (-536)	

Cable Specification

Item No.	Component	Details
1	Cable OD	7.7 mm (0.305”) nom.
2	Fiber	N/A
3	Jacket	Linden Proprietary Design; PP/TPV/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)
8	Conductor Gauge	2 x #24 AWG Shielded Twisted Pair; 1 x #26 AWG Drain Wire
9	Voltage Rating	300V
10	Tensile Strength (lbs)	1,000
11	Safe Working Load (SWL)	Recommended guideline - 15% (150 lbs); SWL is application and environment dependent
12	Minimum Bend Radius (MBR)	Recommended guideline - 155 mm (6.1”); MBR is application and environment dependent
13	Specific Gravity	1.025
14	Weight in Air	51.4 kg/km
15	Weight in Seawater (1.03 g/cm^3)	-0.25 kg/km
16	Serialization	All cables will have Cable ID number for traceability
17	Test Data	A package detailing optical propagation will be supplied with each shipment

OD (P/N): 7.7 mm (2-CU-L-94-O-123-X-305)

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)