



Reference Document	Document No.	LINDEN-SPE-7489
Title	Cable Spec – Copper (-451)	

## Cable Specification

Item No.	Component	Details
1	Cable OD	5.9 mm (0.232")
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	Four (4)
8	Conductor Gauge	#24 AWG
9	Tensile Strength (lbs)	300
10	Safe Working Load (SWL)	Recommended guideline - 15% (45 lbs); SWL is application and environment dependent
11	Minimum Bend Radius (MBR)	Recommended guideline - 118 mm (4.64"); MBR is application and environment dependent
12	Specific Gravity	1.233
13	Weight in Air	33.63 kg/km (22.60 lbs/1,000 ft)
14	Weight in Seawater (1.03 g/cm <sup>3</sup> )	5.54 kg/km (3.72 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): 5.9 mm (4-CU-O-177-Q-232)

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)