



Reference Document	Document No.	LINDEN-SPE-7225
Title	Cable Spec – Buoyant Copper (-182)	

Cable Specification

Item No.	Component	Details
1	Cable OD	10.7 mm (0.422")
2	Cable OD Tolerance	±0.3mm (0.01")
3	Fiber	N/A
4	Jacket	Linden Proprietary Design; Aramid Braid/Foamed TPU
5	Attenuation @ 1310 nm (dB/km)	N/A
6	Attenuation @ 1550 nm (dB/km)	N/A
7	Optical Propagation Loss Measurements	N/A
8	Number of Conductors	Four (4)
9	Conductor Gauge	1 x #18 AWG Shielded Twisted Pair ; 1 x #24 AWG Shielded Twisted Pair; 1 x #26 AWG Drain Wire
10	Voltage Rating	300V
11	Tensile Strength (lbs)	400
12	Safe Working Load (SWL)	Recommended guideline - 15% (60 lbs); SWL is application and environment dependent
13	Minimum Bend Radius (MBR)	Recommended guideline - 214 mm (8.44"); MBR is application and environment dependent
14	Specific Gravity	1.025
15	Weight in Air	92.5 kg/km
16	Weight in Water (1.03 g/cm ³)	-0.45 kg/km
17	Serialization	All cables will have Cable ID number for traceability
18	Test Data	A package detailing optical propagation will be supplied with each shipment

OD (P/N): 10.7 mm (4-CU-O-316-FQ-422-YEL)



Linden Photonics, Inc.

Harmonizing Opposing Goals
Strength & Flexibility



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)

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