Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7276
Title	Cable Spec – Buoyant Hybrid (-248)	

Cable Specification

Item No.	Component	Details
1	Cable OD nom.	16.0 mm (0.628”)
2	Cable OD Tolerance	±0.3mm (0.01")
3	Fiber	LINDEN-SPE-7265
4	Jacket	Linden Proprietary Design; Primary strength coating: Tape Wrap/LDPE/Aramid Braid/Foamed Polyurethane
5	Attenuation @ 1310 nm (dB/km)	< 0.5
6	Attenuation @ 1550 nm (dB/km)	< 0.5
7	Optical Propagation Loss Measurements	Performed 100% on all cables at 1310nm and 1550nm
8	Number of Conductors	Six (6)
9	Conductor Gauge	Four (4) @ #18 AWG; One (1) #22 AWG Shielded Twisted Pairs; One (1) #22 Sense Wire
10	Tensile Strength (lbs)	3,200 lbs
11	Safe Working Load (SWL)	Recommended guideline - 15% (480 lbs); SWL is application and environment dependent
12	Minimum Bend Radius (MBR)	Recommended guideline - 320 mm (12.56”); MBR is application and environment dependent
13	Serialization	All cables will have Cable ID number for traceability
14	Test Data	A package detailing optical propagation will be supplied with each shipment

OD (P/N): 16.0 mm (2-FO-6-CU-X-358-O-398-FQ-628-YEL)

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)