Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7532
Title	Cable Spec – Hybrid (-493)	

Cable Specification

Item No.	Component	Details
1	Cable OD	13.6 mm (0.535”)
2	Fiber	GFLT (2 x singlemode, 2 x multimode 62.5/125)
3	Construction	Linden Proprietary Design; PP/Aramid/Foamed TPU/TPU
4	Attenuation @ 850 nm (dB/km)	< 3.5 [multimode]
5	Attenuation @ 1300 nm (dB/km)	< 1.5 [multimode]
6	Attenuation @ 1310 nm (dB/km)	< 0.5
7	Attenuation @ 1550 nm (dB/km)	< 0.5
8	Optical Propagation Loss Measurements	Performed 100% on all cables at 1310nm and 1550nm
9	Number of Conductors	Four (4)
10	Conductor Gauge	Two (2) x #16 AWG / Two (2) x #24 AWG
11	Voltage Rating	1,500 V / 200V
12	Tensile Strength (lbs)	1,600
13	Safe Working Load (SWL)	Recommended guideline - 15% (240 lbs); SWL is application and environment dependent
14	Minimum Bend Radius (MBR)	Recommended guideline – 271 mm (10.7”); MBR is application and environment dependent
15	Weight in Air (g/m)	145
16	Weight in Seawater (g/m)	-4.08
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): 13.6 mm (4-FO-4-CU-P-255-O-274-FQ-377-Q-535)

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)