Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7533
Title	Cable Spec – Hybrid (-494)	

Cable Specification

Item No.	Component	Details
1	Cable OD nom.	8.1 mm (0.320”)
2	Fiber	One (1) x 4-channel GFLT, multimode (62.5/125)
3	Jacket	Linden Proprietary Design; PVC/Aluminum-Mylar Tape/Aramid Braid/TPU
4	Attenuation @ 850 nm (dB/km)	3.5
5	Attenuation @ 1300 nm (dB/km)	1.0
6	Optical Propagation Loss Measurements	Performed 100% on all cables at 850nm and 1300nm
7	Number of Conductors	Three (3)
8	Conductor Gauge	#14 AWG
9	Voltage Rating	300V
10	Resistance	2.9 Ω/1,000 ft (9.5 Ω/km)
11	Tensile Strength (lbs)	750
12	Safe Working Load (SWL)	Recommended guideline - 15% (113 lbs); SWL is application and environment dependent
13	Minimum Bend Radius (MBR)	Recommended guideline - 163 mm (6.4”); MBR is application and environment dependent
14	Weight in Air (g/m)	86
15	Operating Temperature (°C)	-55 to 100
16	Serialization	All cables will have Cable ID number for traceability

OD (P/N): 8.1 mm (4-FO-3-CU-PP-O-252-Q-320)

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)