Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7596
Title	Cable Spec – Hybrid MicroTether (-548)	

Cable Specification

Item No.	Component	Details
1	Cable OD	10.9 mm (0.429”)
2	Fiber	1 x 3-ch Singlemode GFLT
3	Jacket	Linden Proprietary Design; PVC/Aramid/TPU
4	SM Attenuation @1310nm (dB/km)	< 0.6
5	SM Attenuation @1550nm (dB/km)	< 0.6
6	Optical Propagation Loss Measurements	Performed 100% on all cables at 1310nm and 1550nm
7	Number of Conductors	Three (3)
8	Conductor Gauge	#16 AWG D16-19 16 Gauge MIL-W-16878/3 Type D Wire
9	Overall Jacket	TPU, Black
10	Weight	87 lbs./1,000 ft.
11	Voltage Rating	3,000V
12	Tensile Strength (lbs)	4,000
13	Safe Working Load (SWL)	Recommended guideline - 15% (600 lbs); SWL is application and environment dependent
14	Minimum Bend Radius (MBR)	Recommended guideline – 218 mm (8.6”); MBR is application and environment dependent
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): 10.9 mm (3-FO-5-CU-O-329-Q-429)