Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7519
Title	Cable Spec – MicroTether (-480)	

Cable Specification

Item No.	Component	Details
1	Cable OD	4.3 mm (0.166”)
2	Fiber	1 x Singlemode STFOC (LINDEN-SPE-7283)
3	Jacket	Linden Proprietary Design; PP/PA/Aramid Braid/Nylon
4	Attenuation @ 1310 nm (dB/km)	< 0.5
5	Attenuation @ 1550 nm (dB/km)	< 0.5
6	Optical Propagation Loss Measurements	Performed 100% on all cables at 1310nm and 1550nm
7	Number of Conductors	Four (4)
8	Conductor Gauge	One (1) x #20 AWG STP One (1) x #24 AWG STP
9	Cable Weight (lbs./1,000 ft.)	16
10	Tensile Strength (lbs)	250
11	Safe Working Load (SWL)	Recommended guideline - 15% (38 lbs); SWL is application and environment dependent
12	Minimum Bend Radius (MBR)	Recommended guideline - 84 mm (3.3”); 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): 4.3 mm (2-FO-4-CU-O-156-BB-166)

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)