Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7586
Title	Cable Spec – Hybrid MicroTether (-538)	

Cable Specification

Item No.	Component	Details
1	Cable OD	6.1 mm (0.240”)
2	Fiber	1 x Singlemode (LINDEN-SPE-7043)
3	Jacket	Linden Proprietary Design; XLPE/LCP/Aramid/ETFE
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	Six (6)
8	Conductor Gauge	#22 AWG 17/34 XLPE (High Voltage) Wire UL 3983 150C 4000V AC
9	Overall Jacket	ETFE, Black
10	Weight	28.8 lbs./1,000 ft.
11	Voltage Rating	4,000V
12	Minimum Bend Radius (MBR)	Recommended guideline – 122 mm (4.8”); 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): 6.1 mm (1-FO-6-CU-O-201-Q-240)