



Reference Document	Document No.	LINDEN-SPE-7381
Title	Cable Spec – MicroTether (-345)	

Cable Specification

Item No.	Component	Details
1	Cable OD	3.3 mm (0.130")
2	Fiber	1 x Singlemode STFOC (LINDEN-SPE-7096)
3	Jacket	Linden Proprietary Design; PTFE/STFOC/Aramid Braid
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	Two (2) x #20 AWG [MIL-W-22759/11-20]; Two (2) x #28 AWG [MIL-W-22759/11-28]
9	Voltage Rating	600 V
10	Cable Weight (lbs./1,000 ft.)	14.7
11	Tensile Strength (lbs)	250
12	Safe Working Load (SWL)	Recommended guideline - 15% (17 lbs); SWL is application and environment dependent
13	Minimum Bend Radius (MBR)	Recommended guideline - 66 mm (2.6"); MBR is application and environment dependent
14	Serialization	All cables will have Cable ID number for traceability
15	Test Data	A package detailing optical propagation will be supplied with each shipment

OD (P/N): 3.3 mm (1-FO-4-CU-O-130)