



Reference Document	Document No.	LINDEN-SPE-7453
Title	Cable Spec – MicroTether (-416)	

Cable Specification

Item No.	Component	Details
1	Cable OD nom.	8.6 mm (0.340")
2	Fiber	LINDEN-SPE-7260 (singlemode 9/125)
3	Jacket	Linden Proprietary Design; LCP/PVC/Aramid Braid/HDPE
4	Attenuation @ 1310 nm (dB/km)	0.6
5	Attenuation @ 1550 nm (dB/km)	0.6
6	Optical Propagation Loss Measurements	Performed 100% on all cables at 1310nm and 1550nm
7	Number of Conductors	Two (2)
8	Conductor Gauge	#12 AWG
9	Voltage Rating	600V
10	Resistance	1.6 Ω/1,000 ft (5.25 Ω/km)
11	Tensile Strength (lbs)	450
12	Safe Working Load (SWL)	Recommended guideline - 15% (68 lbs); SWL is application and environment dependent
13	Minimum Bend Radius (MBR)	Recommended guideline - 172 mm (6.8"); MBR is application and environment dependent
14	Weight in Air (g/m)	102
15	Operating Temperature (°C)	-55 to 100
16	Serialization	All cables will have Cable ID number for traceability

OD (P/N): 8.6 mm (1-FO-2-CU-O-280-S-340)

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)