



Reference Document	Document No.	LINDEN-SPE-7454
Title	Cable Spec – MicroTether (-417)	

## Cable Specification

Item No.	Component	Details
1	Cable OD nom.	8.4 mm (0.330")
2	Fiber	None
3	Jacket	Linden Proprietary Design; PVC/Aramid Braid/HDPE
4	Attenuation @ 1310 nm (dB/km)	N/A
5	Attenuation @ 1550 nm (dB/km)	N/A
6	Optical Propagation Loss Measurements	N/A
7	Number of Conductors	Two (2) + Two (2) x #22 AWG shielded twisted pairs (STP)
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)	250
12	Safe Working Load (SWL)	Recommended guideline - 15% (37.5 lbs); SWL is application and environment dependent
13	Minimum Bend Radius (MBR)	Recommended guideline - 168 mm (6.6"); MBR is application and environment dependent
14	Weight in Air (g/m)	110
15	Operating Temperature (°C)	-55 to 100
16	Serialization	All cables will have Cable ID number for traceability

OD (P/N): 8.4 mm (4-CU-O-270-S-330)

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)