



Reference Document	Document No.	LINDEN-SPE-7476
Title	Cable Spec – MicroTether (-438)	

## Cable Specification

Item No.	Component	Details
1	Cable OD	12.5 mm (0.491")
2	Fiber	One (1) x LINDEN-SPE-7265 (2 x singlemode fibers)
3	Jacket	Linden Proprietary Design; PVC/PP/Nylon
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	2 (Two) sets of Twisted Pairs
8	Conductor Gauge	16 AWG 19/29
9	Overall Jacket	Nylon/Black
10	Voltage Rating	600V
11	Weight	109 lbs./ 1,000 ft. (163 g/m)
12	Minimum Bend Radius (MBR)	Recommended guideline – 9.8" (250 mm); MBR is application and environment dependent
13	Tensile Strength (lbs)	15,400
14	Safe Working Load (SWL)	Recommended guideline - 15% (2,310 lbs); SWL is application and environment dependent
15	Serialization	All cables will have Cable ID number for traceability
16	Test Data	A package detailing optical propagation will be supplied with each shipment

OD (P/N): 12.5 mm (1-FO-4-CU-P-270-O-411-B-491)

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)

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