



Reference Document	Document No.	LINDEN-SPE-7315
Title	Cable Spec – MicroTether (-288)	

## Cable Specification

Item No.	Component	Details
1	Cable OD	4.2 mm (0.163")
2	Cable OD Tolerance	±0.3mm (0.01")
3	Fiber	1 x Singlemode STFOC (LINDEN-SPE-7096)
4	Jacket	Linden Proprietary Design; PTFE/STFOC/Aramid Braid/LDP
5	Attenuation @ 1310 nm (dB/km)	< 0.5
6	Attenuation @ 1550 nm (dB/km)	< 0.5
7	Optical Propagation Loss Measurements	Performed 100% on all cables at 1310nm and 1550nm
8	Number of Conductors	Four (4)
9	Conductor Gauge	Two (2) x #20 AWG [MIL-W-22759/11-20]; Two (2) x #28 AWG [MIL-W-22759/11-28]
10	Voltage Rating	600 V
11	Cable Weight (lbs./1,000 ft.)	17.8
12	Tensile Strength (lbs)	250
13	Safe Working Load (SWL)	Recommended guideline - 15% (17 lbs); SWL is application and environment dependent
14	Minimum Bend Radius (MBR)	Recommended guideline - 84 mm (3.3"); MBR 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): 4.2 mm (1-FO-4-CU-O-143-R-163)

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)