



Reference Document	Document No.	LINDEN-SPE-7199
Title	Cable Spec – Hybrid (-171)	

Cable Specification

Item No.	Component	Details
1	Cable OD	11.93 mm (0.470")
2	Cable OD Tolerance	±0.3mm (0.01")
3	Fiber	2 x Singlemode & 2 x Multimode (50µm) in a Gel-Filled Polyamide 2.6 mm OD Tube
4	Jacket	Linden Proprietary Design; Primary strength coating: Aramid Braid/TPU
5	Singlemode Attenuation @ 1310 nm / 1550 nm (dB/km)	< 0.5 / <0.5
6	Multimode Attenuation @ 850 nm / 1300 nm (dB/km)	< 3.0 / <1.0
7	Optical Propagation Loss Measurements	Performed 100% on all cables at 1310nm and 1550nm
8	Number of Conductors	Four (4)
9	Conductor Gauge	2 @ 18 AWG; 2 @ 22 AWG (drain wires); 1 @ 24 AWG (Sense wire)
10	Calculated SG	0.99
11	Tensile Strength (lbs)	3,200
12	Safe Working Load (SWL)	Recommended guideline - 15% (480 lbs); SWL is application and environment dependent
13	Minimum Bend Radius (MBR)	Recommended guideline - 238 mm (9.4"); 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): 11.93mm (4-FO-4-CU-O-55-S-65-FQ-470)

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)