



Reference Document	Document No.	LINDEN-SPE-7219
Title	Cable Spec – Hybrid (-176)	

## Cable Specification

Item No.	Component	Details
1	Cable OD	15.0 mm (0.590")
2	Cable OD Tolerance	±0.3mm (0.01")
3	Fiber	Total: Four (4) Singlemode Two (2) bundles with two (2) fibers each (Color: Blue, Green) Gel-filled element
4	Jacket	Linden Proprietary Design; Fiber Element: 2.6mm OD Polyamide (Yellow) Overall: Polyethylene/Aramid Braid/TPU
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	Six (6)
9	Conductor Gauge	4 @ 18 AWG; 1 @ 22 AWG [Sense]; 1 @ 24 AWG [Drain]
10	Tensile Strength (lbs)	6,000
11	Safe Working Load (SWL)	Recommended guideline - 15% (900 lbs); SWL is application and environment dependent
12	Minimum Bend Radius (MBR)	Recommended guideline - 200 mm (7.87"); MBR is application and environment dependent
13	Serialization	All cables will have Cable ID number for traceability
14	Test Data	A package detailing optical propagation will be supplied with each shipment

OD (P/N): 15.0 mm (4-FO-6-CU-O-55-S-75-FQ-590-ORN)

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)  
RoHS compliant / Halogen Free