Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7585
Title	Cable Spec – Hybrid (-537)	

Cable Specification

Item No.	Component	Details
1	Cable OD	8.7 mm (0.342”) nom.
2	Fiber	1 x 2-ch Singlemode (LINDEN-SPE-7283)
3	Jacket	Linden Proprietary Design; PTFE/PP/Aramid/TPU
4	Attenuation @ 1310 nm (dB/km)	< 0.5
5	Attenuation @ 1550 nm (dB/km)	< 0.5
6	Optical Propagation Loss Measurements	Performed 100% on all cables at 1310nm and 1550nm
7	Number of Conductors	Two (2)
8	Conductor Gauge	2 x #14 AWG (M22759/10-14); 1 x #16 AWG Ground Wire
9	Voltage Rating	1,000V
10	Tensile Strength (lbs)	2,000 lbs
11	Safe Working Load (SWL)	Recommended guideline - 15% (300 lbs); SWL is application and environment dependent
12	Minimum Bend Radius (MBR)	Recommended guideline - 174 mm (6.8”); MBR is application and environment dependent
13	Nom. Weight in Air	105 kg/km
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): 8.7mm (2-FO-2-CU-O-242-Q-342)

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)