Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7558
Title	Cable Spec – Hybrid (-509)	

Cable Specification

Item No.	Component	Details
1	Cable OD	10.2 mm (0.40”)
2	Cable OD Tolerance	±0.3mm (0.01")
3	Fiber	1 x Singlemode STFOC (LINDEN-SPE-7043)
4	Jacket	Linden Proprietary Design; Primary strength coating: STFOC/Vectran 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	Two (2) + #14 AWG DW
9	Conductor Gauge	14 AWG
10	Voltage Rating	600 V
11	Cable Weight (lbs./1,000 ft.)	86
12	Tensile Strength (lbs)	800
13	Safe Working Load (SWL)	Recommended guideline - 15% (120 lbs); SWL is application and environment dependent
14	Minimum Bend Radius (MBR)	Recommended guideline - 204 mm (8”); 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): 10.2mm (1-FO-3-CU-T-320-Q-400)

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)