Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7518
Title	Cable Spec – Multichannel Mid Temp (-479)	

Cable Specification

Item No.	Component	Details
1	Cable OD	3.5 mm (0.137”) nom.
2	Fiber	Sixteen (16) x Corning ClearCurve Mid-Temperature Multimode Fiber OM3 (50/125/245)
3	Jacket	Linden Proprietary Design; PVDF/Aramid/FEP
4	Attenuation @ 850 nm (dB/km)	< 4.0
5	Attenuation @ 1300 nm (dB/km)	< 2.0
6	Optical Propagation Loss Measurements	Performed 100% on all cables at 850nm & 1300nm
7	Tensile Strength (lbs)	250 lbs
8	Safe Working Load (SWL)	Recommended guideline - 15% (38 lbs); SWL is application and environment dependent
9	Minimum Bend Radius (MBR)	Recommended guideline - 70 mm (2.7”); MBR is application and environment dependent
10	Nom. Weight in Air	Nom. 14.4 kg/km
11	Operating Temp	-55C to 150C
12	Serialization	All cables will have Cable ID number for traceability
13	Test Data	A package detailing optical propagation will be supplied with each shipment

OD (P/N): 3.5 mm (16-FO-V-114-O-121-J-137)

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)