

## OUTDOOR DROP FIBER CABLE

### General Specifications

Environment	Outdoor
Application	Aerial/Underground
Cable Type	Drop Fiber
Product Type	Self-Supporting

### Cable Construction

Fiber Type	250mf singlemode G.657.A1
Fiber Count	1
Fiber Coloring	Green
Outer Jacket Material	Low Friction LSZH
Outer Jacket Color	Black or Grey
Jacket UV Resistance	UV Stabilized
Steel Strength Member	Steel Messenger 1.2mm ± 0.2 mm
Strength Member	Steel Wire Diameter 0.4 ± 0.1 mm
Breakout	Heatshrink
Cable (W X H)	Max 5.2 x 2.0 ± 0.2 mm
Cable Weight	38.1 lbs/km
Cable Marking	Every Meter, Company or Project Name, Year Manufactured, Type of Cable, Number of Fibers, Cable Length

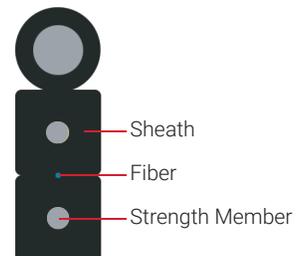


### Mechanical Characteristics

Tensile Strength, Installation	Outdoor
Crush Resistance, Installation	Aerial/Underground
Impact Test	Drop Fiber

### Environmental Characteristics

Installation Temperature	-30°C to +70°C (-22°F to +158°F)
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Storage Temperature	-40°C to +75°C (-40°F to +167°F)
Cable Freeze	FOTP98 / IEC 607941 F15   -2°C (28°F)
Drip Test	FOTP81 / IEC 607941 E14   70°C (158°F)
Heat Age	IEC 607941 F9   -40°C to +85°C (-40°F to +185°F)
Low High Bend	FOTP37 / IEC 607941 E11   -40°C to +75°C (-40°F to +167°F)
Temperature Cycle	FOTP3 / IEC 607941 F1   -40°C to +70°C (-40°F to +158°F)



### Optical Characteristics

Maximum Attenuation	1310nm – 0.4 dB/km ≤ 0.35 dB/km 1550nm – 0.3 dB/km ≤ 0.20 dB/km
Maximum Dispersion [ps/(nm-km)]	1550nm – ≤ 0.18 dB/km
Mode Field Diameter	1310nm – 8.6 ± 0.4 1550nm – 9.6 ± 0.5
Macrobend Loss	1550nm – 1 turn around 7.5mm - ≤ 0.4 dB
Polarization Mode Dispersion	0.06 ps/sqrt (km)

## Optical Dimensional Characteristics

Cladding Diameter	125.0 ± 0.7 μm
Cladding Non-Circularity	≤ 0.7%
Core-Clad Concentricity	≤ 0.5 μm
Fiber Curl	≥ 4.0 m radius of curvature
Coating Diameter	242 ± 5 μm
Coating-Cladding Concentricity	<12 μm

## OUTDOOR DROP FIBER CABLE

## Ordering Information

Part Number	PV11AGF-X-001-XXX
Available Lengths	1000 Meter or 500 Meter
Packaging	1000 Meter Reel 500 Meter Enviroreel Mini

