

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

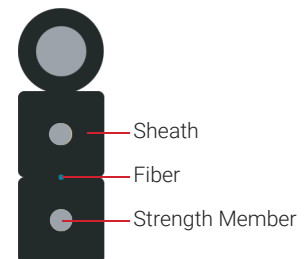


Mechanical Characteristics

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	$125.0 \pm 0.7 \mu\text{m}$
Cladding Non-Circularity	$\leq 0.7\%$
Core-Clad Concentricity	$\leq 0.5 \mu\text{m}$
Fiber Curl	$\geq 4.0 \text{ m}$ radius of curvature
Coating Diameter	$242 \pm 5 \mu\text{m}$
Coating-Cladding Concentricity	$<12 \mu\text{m}$

Ordering Information

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

OUTDOOR DROP FIBER CABLE

