



Mini-LT Flat-Drop Assemblies

Reduce Installation Time with Factory-Tuned Performance



Mini-LT Flat Drop Assembly

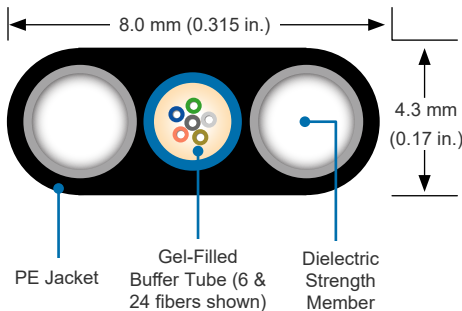
Key Features

- Aramid strength members enabling 150 lbf maximum long term load
- Factory terminated optical connectors
- Factory tested optical performance with low loss and low reflection performance (<0.5 dB insertion loss and high return loss >65 dB with SC-APC connectors)
- Industry standard connectors
- AllWave® FLEX Optical Fiber (standard)
- Dielectric or toneable versions
- Precision manufactured with high quality manufacturing processes
- RoHS compliant

Benefits

- Plug and play results in faster, lower skill installation saving time and cost compared to field terminated options
- Greater service reliability compared to field terminated solutions
- Orderable to length for faster deployment
- Easy to locate underground using conventional equipment to prevent impact from/to other underground utilities; copper wire can be easily peeled away to route the cabling inside or access the toning wire for testing
- Consistent high quality performance
Meets environmental standards

Mini-LT Flat Drop Fiber Optic Cable Cross Section



Product Description

OFS' Mini-LT Drop Assemblies are used in FTTx and other applications between a Network Interface Device (NID) and a terminal, closure or pedestal. Using an outside rated transition from the miniLT cable, these assemblies are delivered with a round flexible breakout, allowing for easy bending and routing to the terminal or into a closure or pedestal.

The Mini-LT Drop Assemblies are factory terminated and tested for fast, reliable plug and play installation. The SCAPC breakouts are upjacketed to 4.8 mm or 3.0 mm cordage on both ends and extend to 48 inches to allow for enough length to route to the terminal; other length options are available upon request. The Mini-LT Drop Assemblies are part of OFS' FTTx Solution for Home and Business.



Mini-LT Flat-Drop Assemblies

Toneable Mini LT Flat Drop Cable	
Specifications	
Fiber Count	1 & 2 fiber assemblies
Cable Dimensions	0.17 in. x 0.35 in. (4.3 mm x 9.0 mm)
Weight - lb/kft (kgm/km)	27 (40) Toneable 21 (32) Dielectric
Handling (all cables)	
Minimum Bend Radius, with Load	6 in. (15 cm)
Minimum Bend Radius, with No Load	3 in. (7.5 cm)
Minimum Bend Radius, Storage Coils	6 in. (15 cm)
Maximum Rated Cable Load (MRCL)	300 lbf (1335 N)
Maximum Long Term Load	150 lbf (667 N)
Temperature	Installation: -22 °F to 140 °F (-30 °C to 60 °C) Operation: -40 °F to 158 °F (-40 °C to 70 °C) Storage: -40 °F to 167 °F (-40 °C to 75 °C)
Performance Standard (all cables)	

Tested per Applicable Requirements of ANSI/ICEA S-87-640 and Telcordia GR-20-CORE Issue 3



Connectorization Performance			
Connector	Insertion Loss Max. Standard Deviation	Return Loss Max	Temperature Range
Single-Mode			
SCA	0.5/0.3 dB	-65 dB	-40 to 85

Ordering Information	
LPCa-b-cccddd-eeee-fff-nnnng-hhh/hhh	
a =	Design Type 2 = Preconnectorized Cable with specified break-outs
b =	Fiber Type A = AllWave* FLEX+ Optical Fiber (G.657.A)
ccc =	Connector Type (Inside)
ddd =	Connector Type (Outside) SCA = SC Angle Polish UNC = Unconnectorized
eeee =	Cable Type 8T7X = Central core, loose tube flat drop, dielectric
fff =	Fiber Count 001 - 002
nnnn =	Length
g =	Unit of Measure F = Feet
hhh =	Breakout Length 243 = 23 inches long, 3.0 mm jacketing up to the SCA connector 483 = 48 inches long, 3.0 mm jacketing up to the SCA connector 484 = 48 inches long, 4.8 mm jacketing up to the SCA connector



Mini-LT Flat-Drop Assemblies

Material Code	Description	OFS Description
1-Fiber Assemblies		
301177804	LPC2-A-SCASCA-8T7X-001-100F-484/484	MiniLT Drop Assembly, dielectric, 1 fiber single-mode, SCAPC to SCAPC, 4.8 mm breakout 48 inches, 100 ft
301177820	LPC2-A-SCASCA-8T7X-001-200F-484/484	MiniLT Drop Assembly, dielectric, 1 fiber single-mode, SCAPC to SCAPC, 4.8 mm breakout 48 inches, 200 ft
301177838	LPC2-A-SCASCA-8T7X-001-300F-484/484	MiniLT Drop Assembly, dielectric, 1 fiber single-mode, SCAPC to SCAPC, 4.8 mm breakout 48 inches, 300 ft
301177846	LPC2-A-SCASCA-8T7X-001-400F-484/484	MiniLT Drop Assembly, dielectric, 1 fiber single-mode, SCAPC to SCAPC, 4.8 mm breakout 48 inches, 400 ft
301177929	LPC2-A-SCASCA-8T7X-001-500F-484/484	MiniLT Drop Assembly, dielectric, 1 fiber single-mode, SCAPC to SCAPC, 4.8 mm breakout 48 inches, 500 ft
301177937	LPC2-A-SCAUNC-8T7X-001-100F-484/XXX	MiniLT Drop Assembly, dielectric, 1 fiber single-mode, SCAPC to unterminated, 4.8 mm breakout 48 inches, 100 ft
301178125	LPC2-A-SCAUNC-8T7X-001-200F-484/XXX	MiniLT Drop Assembly, dielectric, 1 fiber single-mode, SCAPC to Unterminated, 4.8 mm breakout 48 inches, 200 ft
301178133	LPC2-A-SCAUNC-8T7X-001-300F-484/XXX	MiniLT Drop Assembly, dielectric, 1 fiber single-mode, SCAPC to unterminated, 4.8 mm breakout 48 inches, 300 ft
301178141	LPC2-A-SCAUNC-8T7X-001-400F-484/XXX	MiniLT Drop Assembly, dielectric, 1 fiber single-mode, SCAPC to unterminated, 4.8 mm breakout 48 inches, 400 ft
301178158	LPC2-A-SCAUNC-8T7X-001-500F-484/XXX	MiniLT Drop Assembly, dielectric, 1 fiber single-mode, SCAPC to unterminated, 4.8 mm breakout 48 inches, 500 ft
301178166	LPC2-A-SCASCA-8T7T-001-100F-484/484	MiniLT Drop Assembly, toneable, 1 fiber single-mode, SCAPC to SCAPC, 4.8 mm breakout 48 inches, 100 ft
TBD	LPC2-A-SCASCA-8T7T-001-200F-484/484	MiniLT Drop Assembly, toneable, 1 fiber single-mode, SCAPC to SCAPC, 4.8 mm breakout 48 inches, 200 ft
301178190	LPC2-A-SCASCA-8T7T-001-300F-484/484	MiniLT Drop Assembly, toneable, 1 fiber single-mode, SCAPC to SCAPC, 4.8 mm breakout 48 inches, 300 ft
301178208	LPC2-A-SCASCA-8T7T-001-400F-484/484	MiniLT Drop Assembly, toneable, 1 fiber single-mode, SCAPC to SCAPC, 4.8 mm breakout 48 inches, 400 ft
301178216	LPC2-A-SCASCA-8T7T-001-500F-484/484	MiniLT Drop Assembly, toneable, 1 fiber single-mode, SCAPC to SCAPC, 4.8 mm breakout 48 inches, 500 ft
301178224	LPC2-A-SCAUNC-8T7T-001-100F-484/XXX	MiniLT Drop Assembly, toneable, 1 fiber single-mode, SCAPC to unterminated, 4.8 mm breakout 48 inches, 100 ft
301178232	LPC2-A-SCAUNC-8T7T-001-200F-484/XXX	MiniLT Drop Assembly, toneable, 1 fiber single-mode, SCAPC to Unterminated, 4.8 mm breakout 48 inches, 200 ft
301178240	LPC2-A-SCAUNC-8T7T-001-300F-484/XXX	MiniLT Drop Assembly, toneable, 1 fiber single-mode, SCAPC to unterminated, 4.8 mm breakout 48 inches, 300 ft
301178257	LPC2-A-SCAUNC-8T7T-001-400F-484/XXX	MiniLT Drop Assembly, toneable, 1 fiber single-mode, SCAPC to unterminated, 4.8 mm breakout 48 inches, 400 ft
301178265	LPC2-A-SCAUNC-8T7T-001-500F-484/XXX	MiniLT Drop Assembly, toneable, 1 fiber single-mode, SCAPC to unterminated, 4.8 mm breakout 48 inches, 500 ft

Material Code	Description	OFS Description
2-Fiber Assemblies		
301181939	LPC2-A-SCASCA-8T7X-002-100F-243/243	MiniLT Drop Assembly, dielectric, 2 fiber single-mode, SCAPC to SCAPC, 3.0 mm breakout 24 inches, 100 ft
301181962	LPC2-A-SCASCA-8T7X-002-200F-243/243	MiniLT Drop Assembly, dielectric, 2 fiber single-mode, SCAPC to SCAPC, 3.0 mm breakout 24 inches, 200 ft
301181970	LPC2-A-SCASCA-8T7X-002-300F-243/243	MiniLT Drop Assembly, dielectric, 2 fiber single-mode, SCAPC to SCAPC, 3.0 mm breakout 24 inches, 300 ft
301181988	LPC2-A-SCASCA-8T7X-002-400F-243/243	MiniLT Drop Assembly, dielectric, 2 fiber single-mode, SCAPC to SCAPC, 3.0 mm breakout 24 inches, 400 ft
301181996	LPC2-A-SCASCA-8T7X-002-500F-243/243	MiniLT Drop Assembly, dielectric, 2 fiber single-mode, SCAPC to SCAPC, 3.0 mm breakout 24 inches, 500 ft
301182882	LPC2-A-SCAUNC-8T7X-002-100F-243/XXX	MiniLT Drop Assembly, dielectric, 2 fiber single-mode, SCAPC to unterminated, 3.0 mm breakout 24 inches, 100 ft
301182010	LPC2-A-SCAUNC-8T7X-002-200F-243/XXX	MiniLT Drop Assembly, dielectric, 2 fiber single-mode, SCAPC to unterminated, 3.0 mm breakout 24 inches, 200 ft
301182028	LPC2-A-SCAUNC-8T7X-002-300F-243/XXX	MiniLT Drop Assembly, dielectric, 2 fiber single-mode, SCAPC to unterminated, 3.0 mm breakout 24 inches, 300 ft
301182036	LPC2-A-SCAUNC-8T7X-002-400F-243/XXX	MiniLT Drop Assembly, dielectric, 2 fiber single-mode, SCAPC to unterminated, 3.0 mm breakout 24 inches, 400 ft
301182044	LPC2-A-SCAUNC-8T7X-002-500F-243/XXX	MiniLT Drop Assembly, dielectric, 2 fiber single-mode, SCAPC to unterminated, 3.0 mm breakout 24 inches, 500 ft



For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com
or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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