

FTTx MicroDrop Cable

The AFL Fiber Strand Unit (FSU) MicroDrop cable offers the FTTH designer a vastly superior micro-cable for pedestal to subscriber ONT connections. The stand-out feature of this product is the hard-shell, push-rod core integration system that allows the cable to be installed, without air, for distances up to several hundred meters and much greater distances with air-assist. The small, compact geometry is ideal for micro-duct inside diameters ranging from 3.5 mm to 6 mm.

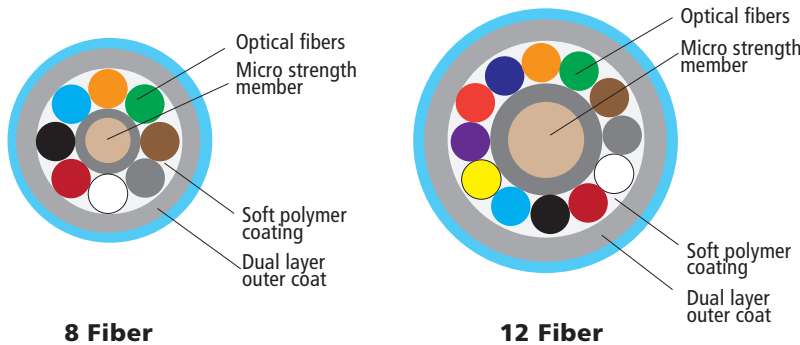
Features

- Hard-shell casing improves installer handling robustness compared to traditional micro-fiber units
- OFRP Push-rod allows FSU to be axially stressed to maximize push distances. No air need for typical FTTH drop applications.
- Low-friction cable sheath improves push air jetting distances
- With air-assist, FSU can be installed over 1000 meters

Applications

- Pushable and Air-jettable FTTx subscriber fiber optic drops
- Distribution route—low fiber-count lateral drops

Cable Components



Mechanical Data

AFL NO.	FIBER COUNT	CORE GEOMETRY	NOMINAL DIAMETER		NOMINAL WEIGHT		MAXIMUM TENSILE LOAD		MINIMUM BEND RADIUS	
			INCHES	MM	LBS/1000FT	KG/KM	INSTALLATION	OPERATION	INSTALLATION	OPERATION
FSU01-AP-2.0	1	1 with 7 fillers	0.299	2.0	3	4.1	10 (4.5)	5 (2.3)	4 (10)	2 (5)
FSU02-AP-2.0	2	2 with 6 fillers	0.299	2.0	3	4.1	10 (4.5)	5 (2.3)	4 (10)	2 (5)
FSU04-AP-2.0	4	4 with 4 fillers	0.299	2.0	3	4.1	10 (4.5)	5 (2.3)	4 (10)	2 (5)
FSU06-AP-2.0	6	6 with 2 fillers	0.299	2.0	3	4.1	10 (4.5)	5 (2.3)	4 (10)	2 (5)
FSU08-AP-2.0	8	8 with 0 fillers	0.311	2.0	3	4.1	10 (4.5)	5 (2.3)	4 (10)	2 (5)
FSU12-AP-2.5	12	12 with 0 fillers	0.311	2.5	4	6.5	10 (4.5)	5 (2.3)	4 (10)	2 (5)

Temperature Specifications

TEMPERATURE RANGE	
INSTALLATION	-30°C to +70°C
OPERATING	-50°C to +70°C
STORAGE	-50°C to +75°C