Flat Drop Cable Assemblies

MADE IN THE USA

OVERVIEW

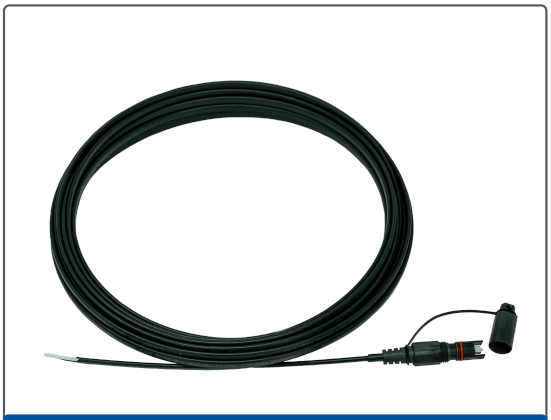
Self-Supporting Flat Drop Cable Assemblies are designed for fiber distribution and subscriber connectivity in FTTH and FTTx networks. They provide a connection from distribution terminals to subscriber locations and support aerial, direct-buried, and conduit installations. Available in toneable and dielectric configurations, assemblies may be supplied stubbed for splicing or pre-terminated on one or both ends for direct connection.

GENERAL SPECIFICATIONS

- **Fiber Count:** 1 Fiber
- **Fiber Type:** Singlemode OS2
- **Fiber Compliance:** ITU-T G.652.D
- **Cable Construction:** Corning SST-Drop™ — Dielectric or Toneable
- **Connector Types:** OptiTap®, SC, LC (UPC/APC)
- **Breakout Jacket:** 900 µm, 2 mm, 3 mm, or Ruggedized
- **Termination:** Stubbed or pre-terminated on one or both ends
- **Dielectric Cable Dimensions:** 8.1 × 4.5 mm
- **Toneable Cable Dimensions:** 10.2 × 4.7 mm

OPTICAL PERFORMANCE

- **Insertion Loss SM:** ≤ 0.15 dB
- **Return Loss APC:** ≥ 65 dB
- **Return Loss UPC:** ≥ 55 dB



OptiTap® to Blunt End Drop Cable Assembly

BABA-Compliant configurations available.
Contact NetSource for applicable part numbers and compliance documentation.

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CONFORMANCE

- **Telcordia GR-20 — Cable:** Outside Plant Fiber Optic Cable Requirements
- **Telcordia GR-3120 — Connector:** Hardened Fiber Optic Connector Requirements
- **RDUP (RUS) — Cable:** USDA Rural Development Programs
- **RoHS/REACH**

ENVIRONMENTAL & MECHANICAL PROPERTIES

- **Ingress Protection:** IP68 — OptiTap® Interface
- **Operating Temperature:** -40°C to +70°C (-40°F to +158°F)
- **Storage Temperature:** -40°C to +70°C (-40°F to +158°F)
- **Installation Temperature:** -30°C to +70°C (-22°F to +158°F)
- **Jacket Material:** Polyethylene (PE), UV-resistant for outdoor applications
- **Minimum Bend Radius:** 80 mm (3.15 in)
- **Maximum Tensile Load — Short Term:** 1,350 N (303 lbf)
- **Maximum Tensile Load — Long Term:** 400 N (90 lbf)
- **OptiTap® Connector Pulling Tension:** 100 lb

PART NUMBERS

HE	# of Fibers	Cable Type	Cable Construction	Connector 1	Connector 2	Breakout Length	Breakout Jacket	Length
HE	01	SM: Singlemode OS2	D1: Dielectric D3: Toneable	57: OptiTap® SC: SC/UPC SA: SC/APC	57: OptiTap® SC: SC/UPC SA: SC/APC	T: 12”	2: 2 mm 3: 3 mm	XXXFT XXXM

Example: HE01SMD357SAT2-250FT

1-Fiber OS2 / Toneable / OptiTap® to SC/APC / 12" breakout / 2 mm jacket / 250 ft

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SAMPLE CONFIGURATIONS

SC/APC to SC/APC



SC/APC to Blunt End



OptiTap® to SC/APC



OptiTap® to Blunt End



OptiTap® to OptiTap®



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