

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 Type:** Singlemode OS2
- **Cable Construction:** Flat Drop — Dielectric or Toneable
- **Connector Types:** OptiTap®, SC, LC (UPC/APC)
- **Breakout Jacket:** 900 μ m, 2 mm, 3 mm, or Ruggedized
- **Termination:** Stubbed or pre-terminated on one or both ends
- **Toneable Cable Dimensions:** 9.0 $\times$ 5.0 mm (0.35 $\times$ 0.20 in.)
- **Dielectric Cable Dimensions:** 8.1 $\times$ 4.5 mm (0.32 $\times$ 0.18 in.)

OPTICAL PERFORMANCE

- **Insertion Loss SM:** $\leq$ 0.15 dB
- **Return Loss APC:** $\geq$ 65 dB
- **Return Loss UPC:** $\geq$ 55 dB

TEST METHODS

- FOTP-171 (TIA/EIA-455-171): Insertion Loss
- FOTP-107 (TIA/EIA-455-107): Return Loss
- IEC 61300-3-35: Visual Inspection
- IEC 61755-3-1: Endface Geometry — Single-Fiber



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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) Listed — Cable: USDA Rural Development Programs
- RoHS/REACH: Environmental Compliance

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 +75°C (-40°F to +167°F)
- Installation Temperature: -30°C to +70°C (-22°F to +158°F)
- Jacket Material: Polyethylene (PE), UV-resistant for outdoor applications
- 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: 2mm 3: 3mm	XXXFT XXXM

Example: HE01SMD357SAT2-250FT

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



BABA-Compliant part numbers available upon request.

Contact NetSource for applicable part numbers and compliance documentation.

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