

ROC™ Drop Cable Assemblies



Product Overview:

ROC™ Drop Cable Assemblies use Corning ROC™ cable with FastAccess™ Technology for fiber-to-the-home (FTTH) deployments. The gel-free construction and FastAccess™ jacket allow quicker cable preparation compared to traditional flat drop designs. These assemblies support aerial, buried, and conduit installations and are selected when easy handling, compact routing, or gel-free preparation provides an installation advantage. The lightweight round profile is preferred in conduit, buried, and façade routes where flat drop is less efficient. Toneable and dielectric versions are available, and assemblies come with OptiTap®, SC, LC (UPC/APC), or Pushlok® connectors. They may be supplied stubbed for splicing or pre-terminated on one or both ends for direct connection

Product Specifications:

- Connector Types: OptiTap®, SC, LC (UPC/APC polish), and Pushlok®
- Jacket Size: 900µm, 2mm, 3mm in various lengths
- Cable Dimensions:
- Toneable Cable OD: 6.6mm x 3.0mm (0.26in x 0.12in)
- Dielectric Cable OD: 5.4mm x 3.0mm (0.21in x 0.12in)

Environmental & Mechanical Properties:

- 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)
- Polyethylene (PE), UV-resistant for outdoor applications
- OptiTap® Connector Pull Rating: 100 lbs

Features & Benefits:

- Custom cable assemblies engineered for your specific application
- Quick and tool-free cable access with FastAccess™ Technology when stubbed
- Provides flexible deployment options for aerial, buried, and duct installations
- Eliminates bonding and grounding needs with the dielectric version
- Simplifies buried cable detection with the toneable version

Part Number Chart:

HE	# of Fibers	Cable Type	Cable Construction	Connectors	Connectors	Breakout Length	Breakout Jacket	Length
	01	SM: Singlemode OS2	D1: Dielectric	53: Inline	53: Inline	S: 6"	2: 2mm	XXXFT
	02		D3: Toneable	57: OptiTap®	57: OptiTap®	T: 12"	9: 900µm	XXXM
				LC: LC/UPC	LC: LC/UPC	U: 18"		
				LA: LC/APC	LA: LC/APC	V: 24"		
				SC: SC/UPC	SC: SC/UPC	W: 36"		
				SA: SC/APC	SA: SC/APC			

Insertion Loss:

Characteristics	Standard	LC, SC, ST, FC *(APC & OptiTap)
Insertion Loss (Maximum)	TIA 568-C.3	.75 dB
	NetSource, Inc (STD Loss)	≤0.20 dB
	NetSource, Inc (Low Loss)	≤0.15 dB
Return Loss (Minimum)	TIA 568-C.3	-26 dB
	NetSource, Inc	≤-58 dB *(≤-65 dB)

Conformance Standards:

Optical Performance	FOTP-171 (TIA/EIA-455-171) – Insertion Loss
	FOTP-107 (TIA/EIA-455-107) – Return Loss
Endface Geometry & Inspection	IEC 61300-3-35 – Visual Inspection
	IEC 61755-3-1 – Endface Geometry — Single-Fiber
	IEC 61755-3-32 – Endface Geometry — MT Ferrules (Multifiber)
Environmental/Mechanical (Connectors & Assemblies)	GR-3120 – Environmental, Mechanical & Performance Requirements
	IP68 – Ingress Protection — OptiTip® / OptiTap® Interfaces
Outdoor Cable Requirements	GR-20 – Outside Plant Cable Environmental & Mechanical Requirements
Environmental Compliance	RoHS/REACH – Environmental Compliance