

Prodigy® Hardened Cable Assemblies with Mini Flat Drop™ Cable

FEATURES AND BENEFITS

Mini Flat Drop Cable

- **Reduce** weight and size with a small, lightweight design and tight bend radius
- **Enable** installation in smaller duct and hand hole applications
- **Seal securely within closure** applications for reliable protection
- **Simplify** handling with a dry, 900µm tight buffer cable



Designed for space—delivering exceptional connectivity and performance.

The Prodigy hardened cable assembly solution delivers fast, flexible network deployments with factory-connectorized, plug-and-play designs that eliminate field splicing and accelerate service turn-up. Engineered for rugged OSP environments, the Prodigy cable assembly portfolio now includes the Mini Flat Drop cable—a compact, lightweight fiber-optic cable option that simplifies handling, reduces installation time and enables efficient routing in space-constrained aerial, duct and buried applications.

Prodigy cable assemblies leverage a universal hardened connector system that provides reliable interoperability across terminals and cable assemblies, reducing complexity while improving scalability. Combined with Mini Flat Drop cable's small profile, tight bend radius and versatile configurations, providers can deploy high-performance FTTH cabling networks faster, with greater density, reliability and cost efficiency.



Mini Flat Drop Cable

CABLE SPECIFICATIONS

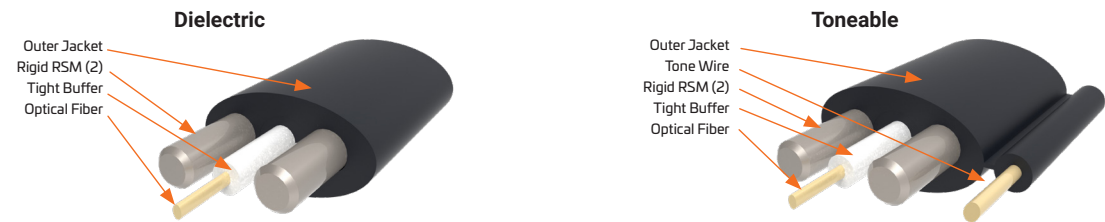
Cable Type	A-Flat Dielectric	B-Flat Locatable/ Toneable	C-Universal Flat Dielectric	D-Universal Flat Locatable/Toneable	M-Mini Flat Drop Dielectric	N-Mini Flat Drop Locatable/Toneable
Construction Type	Non-armored, gel-filled	Non-armored, gel-filled	Non-armored, gel-free	Non-armored, gel-free	Non-armored, gel-free	Non-armored, gel-free
Dimensions	4.5mm x 7.9mm	4.5mm x 9.91mm	4.6mm x 8.00mm	4.6mm x 9.91mm	2.8mm x 5.6mm	2.8mm x 7.6mm
Jacket Material	PE	PE	PE (PVC inner subunit)	PE (PVC inner subunit)	PE	PE
Jacket Color	Black	Black	Black	Black	Black	Black
UV Resistant	Yes	Yes	Yes	Yes	Yes	Yes
Minimum Bend Radius	8.6 cm	8.6 cm	9.2 cm	9.2cm	6.0cm	6.0cm
Operating Temperature	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40 °C to +70 °C	-40 °C to +70 °C

*Single Fiber Only

SAG & TENSION DATA

Cable Type	@ 1% Installation Sag					
	Heavy		Medium		Light	
	Max Span (ft)	Sag @ Env. Loading %	Max Span (ft)	Sag @ Env. Loading %	Max Span (ft)	Sag @ Env. Loading %
Mini Flat Drop	112	3.5	200	2.5	426	0.3
	@ 3% Installation Sag					
	134	4.1	243	3.0	541	0.4

TEST STANDARDS: ANSI/ICEA S-110-717, TELCORDIA GR-20

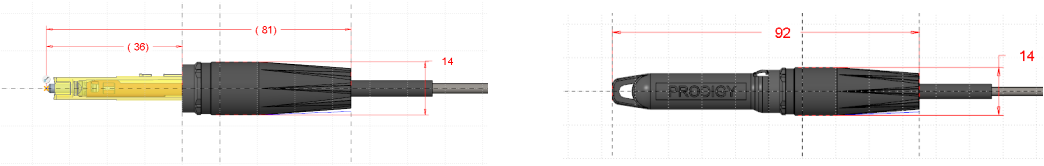


Standard elliptical profile, dielectric and toneable options.

CONNECTOR SPECIFICATIONS

Connector	Minimum Hole Size for Connector*	Physical Contact	Maximum Insertion Loss**	Typical Insertion Loss	Reflection	Retention Force
Prodigy Hardened Connector	0.6 (15.2mm)	Angled polished contact (APC), standard 8 deg. angle	≤ 0.4 dB	≤ 0.12 dB	≤ -65 dB	100 lbs (444.8 N)

*The minimum hole size for inserting a connector. This does not reference conduit size.



ORDERING INFORMATION

Prodigy Hardened Cable Assembly

HCA-

Connector A *

A	Prodigy connector only
B	Bayonet converter factory installed
H	Full-size converter factory installed
X	DLX® converter factory installed

Connector B *

O	Stub
A	Prodigy connector only
B	Bayonet converter factory installed
H	Full-size converter factory installed
L	SC/APC
M	SC/APC w/8in Transition (Only USD Cable)
N	SC/UPC
R	LC/APC
S	LC/UPC
X	DLX converter factory installed

Number of fibers

1	One
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BABA

B	BABA-compliant
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**Special request

L	Spooled: Connector A deploys first from spool
R	Spooled: Connector B deploys first from spool
LB	Spooled: Connector A deploys first from spool. BABA-compliant
RB	Spooled: Connector B deploys first from spool. BABA-compliant

Unit of measure

F	Foot
M	Meter

Cable lengths***

0050	50 feet
0100	100 feet
1000	1,000 feet
2000	2,000 feet

Cable type****

A	SST dielectric
B	SST toneable
C	USD dielectric
D	USD toneable
M	Mini Flat Drop cable, dielectric
N	Mini Flat Drop cable, toneable

*Additional connector options available upon request. Pulling sock included with non-hardened connectors-25lbs of pulling force.

**Drops are automatically coiled 0 to 1000 ft unless "L" or "R" is specified for the range of length. Drops are automatically spooled at 1,001ft with connector B deploying first from spool. Add "L" to lengths over 1,001ft if Connector A needs to deploy first.

***Cable length shown as an example; additional cable lengths available upon request up to 2,500

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ACCESSORIES

Fiber drop cable assembly accessories and test cables	
MID	Description
760252078	HCA-ACC-BAYONET-CVTR (converter for Prodigy connector to bayonet connector)
760255490	HCA-ACC-FEMALE-BAYONET-CVTR (converter for Prodigy connector to female bayonet connector)
760252079	HCA-ACC-FULLSIZE-CVTR (converter for Prodigy connector to full-size connector)
760255254	HCA-ACC-FEMALE-FULLSIZE-CVTR (converter for Prodigy connector to female full-size connector)
760252080	HCA-ACC-DLX-CVTR (converter for Prodigy connector to DLX connector)
760252081	HCA-ACC-SCAPC-CVTR (converter for Prodigy connector to SC/APC connector)
460201619	Prodigy Fiber Optic Cleaner
760255889	HCA-ACC-3mm Test Lead 10 ft, Prodigy to SC/APC (includes full size and DLX converters)
760255888	HCA-ACC-3mm Test Lead 20 ft, Prodigy to SC/APC (includes full size and DLX converters)
760258038	HCA-ACC-3mm Test Lead 40FT, Prodigy to SC/APC (includes full size and DLX converters)
760258039	HCA-ACC-3mm Test Lead 50FT, Prodigy to SC/APC (includes full size and DLX converters)
MHD-ACC-F12J	HMFOC plug/non-pinned/female to 12 SC/APCs, 3 feet
MHD-ACC-M12J	HMFOC jack/pinned/male to 12 SC/APCs, 3 feet



760252078



760255490



760252079



760255254



760252080



760252081



460201619



ACCESSORIES

Clamps: P-clamps (same used for EZ AXS, SST, USD)



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