



FTTX Solutions

RealFlex 3 Drop Cables

CommScope's RealFlex 3 drop cables are ruggedly designed for maximum flexibility, handling and performance to meet the rigors of inside or outside plant FTTX deployments. RealFlex 3 drop cables are available in Indoor/Outdoor, Riser and Plenum cable types for use in residential, business or multiple dwelling unit (MDU) structures.

RealFlex 3 drop cables allow for a fiber bend radius as small as 7.5 mm without changing attenuation characteristics of the cable and improve insertion loss (IL) performance for 90 degree bend locations. With the average MDU installation including as many as seven 90 degree turns, this new fiber greatly reduces the risk to bend induced IL during installation. In addition to the improved bend radius performance, the rugged 3mm cable construction provides the flexibility and durability to withstand the most demanding applications.

The rugged 3 mm indoor/outdoor cable can be stapled*, allowing for fast and easy securing of cables to most surfaces. The reduced bend radius glass allows the technician to staple around tight corners without compromising insertion loss performance.

CommScope's RealFlex 3 drop cables provide for quick and easy deployments with increased reliability which allow for fast service turn-up, improved network reach and lower overall network operating and maintenance costs.

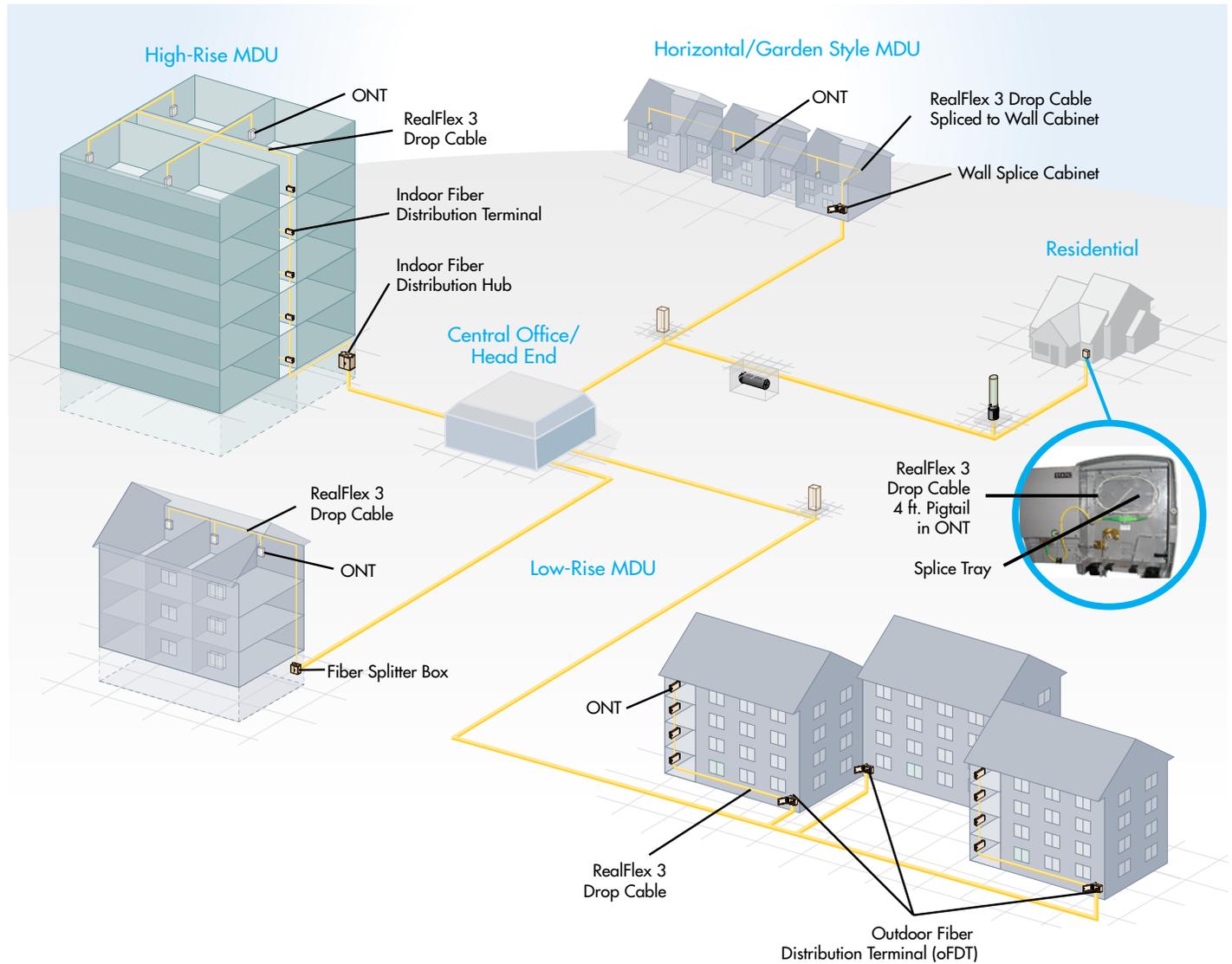
*CommScope approved staplers and staples.

Typical Applications

- Cable integrates seamlessly into ONT, wall splice cabinet, fiber splitter box or termination splice box
- Garden or horizontal dwelling units: indoor/outdoor cable used to transition from an outdoor fiber distribution terminal to each indoor living unit
- Mid or high-rise buildings: all three cable types can be used to transfer from an indoor fiber distribution terminal to each individual living unit within a building
- Indoor/outdoor and riser cables are suitable for all OFNR applications; OFNP applications will require plenum cable

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Features and Benefits

- Fiber bend radius as small as 7.5 mm without changing cable characteristics
- Greatly reduces risk to bend induced insertion loss created during installation
- Indoor/Outdoor, Plenum and Riser cable options available
- 900 micron buffer coating strips easily in one pass to save on installation time
- Rugged 3 mm cable jacket construction
- Cable maintains its flexibility even in extreme cold temperatures
- G.657 Table A and B compliant
- Two cable configurations available: connectors on both ends or connector on one end
- Spooling options: end with connector pulled first or end without connector pulled first
- Ivory cable color helps distinguish cable in the field

Specifications

Environmental Characteristics

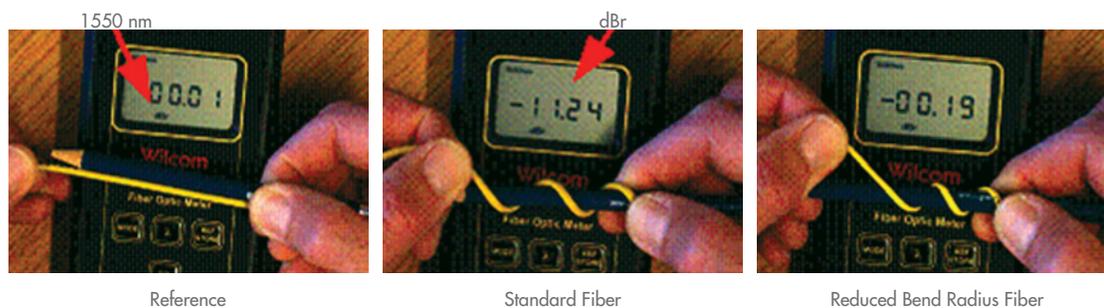
	Indoor/Outdoor Cable ¹	Riser Cable	Plenum Cable
Storage Temperature:	-40° to +75° C (-40° to +167° F)	-40° to +70° C (-40° to +158° F)	-40° to +70° C (-40° to +158° F)
Operating Temperature:	-40° to +75° C (-40° to +167° F)	-20° to +70° C (-4° to +158° F)	0° to +70° C (+32° to +158° F)
Installation Temperature:	-30° to +50° C (-22° to +122° F)	0° to +50° C (+32° to +122° F)	+10° to +50° C (+50° to +122° F)
UV Rating:	Sunlight resistant specification per UL 1581 ²		

Mechanical Characteristics

	Indoor/Outdoor Cable	Riser Cable	Plenum Cable
Number of Fibers:	1	–	–
Maximum Tensile Load			
Short Term Load:	440 N (100 lbs.)	220 N (50 lbs)	220 N (50 lbs)
Long Term Load:	220 N (50 lbs.)	110 N (25 lbs)	110 N (25 lbs)
Minimum Bend Radius			
Installed:	.295 in. (.75 cm)	–	–
Loaded:	1.18 in. (3.0 cm)	–	–

¹ For indoor/outdoor cable lengths that are ten feet or less, the Storage and Operating Temperature specifications are -55° to +75° C (-67 to +167° F)

² Indoor/outdoor cable only



Stapled 3mm RealFlex 3 Drop Cables

Compliances

	Indoor/Outdoor Cable	Riser Cable	Plenum Cable
Restriction of the use of hazardous substances RoHS (2002/95/EC)	X	X	X
Comply with California Prop 65 for Safe Drinking and Toxic Enforcement Act	X	X	X
Telcordia GR-409-CORE, EIA/TIA FOTPS (Independently verified)	X	X	X
Telcordia GR-20 tested to relevant specifications	X		X
ISO/IEC 11801	X	X	X
IEC 60794-2 Optical Fiber Cables Part 2	X		
EIA/TIA 568-B	X	X	X
(UL) 1666, NEC OFNR, FT-4	X	X	
(UL) 910, NEC OFNP, FT-6			X

Ordering Information

MDC- X X X X - XXXX X X

Connector 1 Type

J	APC SC
N	UPC SC

Connector 2 Type

J	APC SC
N	UPC SC
O	Stub
P	SC/APC w/ Pulling Sock

Number of Fibers

1	One
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Cable Type (RBR) Reduced Bend Radius

F	RBR Indoor/Outdoor Ivory
G	RBR Plenum Ivory
H	RBR Riser Ivory
J	RBR LSZH Ivory

Spool Option

O	No Spool
J	Standard Spool
F	Spooled Connector 1 deploys first
L	Spooled Connector 2 deploys first

Standard Cable Measurement

F	Feet
M	Meters

Standard Cable Lengths

0004	4
0010	10
0050	50
0100	100
0150	150
0200	200
0250	250
0500	500



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PS-105715.4-AE (06/16)