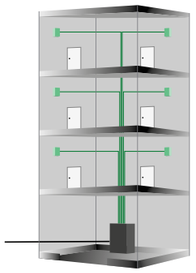
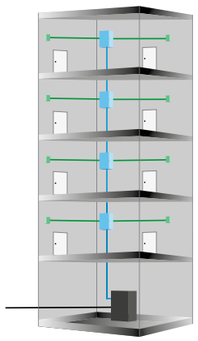
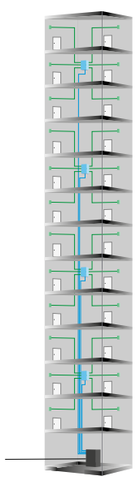
CORNING

Maximise the Success of Your Customer Premise Installations

Building Type	MDU Network Point	Benefits/ Challenges	Horizontal	Riser	Access
Low-Rise MDU < 12 customers • Typically up to three floors • Low initial cost and pay-as-you-grow • Long customer drops and time to connect customer • Requires pathway space for single drops in the riser shaft and horizontal 	Direct Drop	**Benefits** • Quick and easy to install homes connected (HC) • Deferred cost: outlet and drop/riser installed when customer asks for connection • Minimal intrusion at customer apartment if prestubbed outlet is used **Challenges** • Congestion in riser shaft and horizontal as individual cables are routed • Longer installation time for customer connection (drop all the way to the basement)	• Small wall terminal (SWT) • 2.4 mm ClearCurve® zero-bend-loss (ZBL) fibre indoor drop cable reel in the box • 3.7 mm ClearCurve ZBL fibre indoor drop cable reel in the box Premium CPR rated class B2 • SC APC patch cord with 4.8 mm indoor drop cable 		• Building access terminal (BAT) in sizes S, M, L, and XL 
Medium-Rise MDU < 48 customers • Typically between four to nine floors • Floor terminal at each floor • Quick customer connections • Minimal space requirements in the riser 	Multi-Fiber Riser	**Benefits** • One cable installation achieves 100 percent homes passed (HP) • Quick day one installation of riser cable and floor boxes **Challenges** • Rigorous survey needed in order to configure the OptiRise™ cable assembly for every MDU	• Prestubbed small wall terminal (pSWT) • 2.4 mm ClearCurve zero-bend-loss (ZBL) fibre indoor drop cable reel in the box • 3.7 mm ClearCurve ZBL fibre indoor drop cable reel in the box Premium CPR rated class B2 • SC APC patch cord with 4.8 mm indoor drop cable 	• Small floor terminal (SFT) • OptiRise cable assembly 	• Building access terminal (BAT) in sizes S, M, L, and XL 

High-Rise MDU > 48 customers
• Typically more than 10 floors
• Floor terminal serves multiple floors
• Balances initial cost and customer connection
• Requires space in the riser shaft
 
	Multi Riser	**Benefits**
		• Compact 1-F riser cable (2.4 mm)
		• Quick day one install if:
		  • floor box is prestubbed with riser cable
		• Standard product set for any building if:
		  • splitter at the floor
		  • overlength storage for pre-con stub
		Challenges
		• Complex splitter management (customer one and two can be connected to two different splitters)
		• Overlength management
			• Prestubbed small wall terminal (pSWT)
			• 2.4 mm ClearCurve zero-bend-loss (ZBL) fibre indoor drop cable reel in the box
			• 3.7 mm ClearCurve ZBL fibre indoor drop cable reel in the box Premium CPR rated class B2
			• OptiSnap™ field-installable connector and tool case
			 
				• Small floor terminal (SFT)
				• SFT includes 1x8 splitter and prestubbed 2.4 mm cable
				• 4.2 mm 8-F MIC™ cable with ClearCurve ZBL fibre
				 
					• Modular basement distribution terminal (MBDT)
					 

The Customer Connecting Challenge

Multi-dwelling units (MDUs) come in all shapes and sizes, ranging from high-rise buildings, smaller apartment blocks, or multiuse properties.

MDU deployments often present operators with challenges, which can include:

- Duct space is limited, full, unusable, or not continuous
- Space is at a premium in aisles and basement
- Availability of and access to tenants requires coordination and causes tension

Our experience with numerous global MDU deployments has taught us the following key considerations:

- Use the smallest, most robust, and bend-tolerant cable and fiber to avoid reworks and repairs
- Pre-connectorisation can limit disturbance of tenants and speed installation
- Plan network access points at basement and/or floor level
- Avoid expensive and special tools (splice machines)
- Terminate passives separately to account for shorter life time of actives

With experience gained through millions of units connected around the world, we can help simplify your deployments. Focusing on the three primary areas within the building – the **access space**, the **riser space**, and the **horizontal** – we have consolidated our product offering into several recommended solutions.

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