

Indoor/Outdoor and Outdoor Cable Assemblies



Indoor-Outdoor and Outdoor Cable Assembly (Representative Example)

As the industry’s leading supplier of cable assemblies, Corning’s state-of-the-art manufacturing process ensures unsurpassed connector performance that meets or exceeds all industry standards for reflectance and insertion loss. Highly trained and qualified associates thoroughly inspect the incoming fibers and ferrules, and assemble and polish them using a carefully monitored and controlled process. The assemblies undergo rigorous performance testing to secure optimal quality. Corning preterminated assemblies use only high quality Corning optical fibers to ensure total performance quality.

Corning indoor/outdoor and outside plant cable assemblies feature ALTOS® gel-free cables, FREEDM® LST™ and loose tube gel-free cables, FREEDM One cables, as well as SST-Drop™, and ROC™ Drop cables. These cables offer waterblocking technology coupled with superior protection against UV-radiation, fungus, abrasion, and other environmental factors.

Features	Benefits
Superior Performance Testing	Every termination is tested to produce the optimal network performance
State-Of-The-Art Manufacturing Processes	Corning proprietary manufacturing processes and advanced technology result in unsurpassed product consistency
Corning Advantage	Integrated developer and manufacturer of cable, connectors, and fiber to ensure overall patch cord performance

Specifications

General Specifications	
Approvals and Listings	National Electrical Code® (NEC®)

Connector Specifications

Fiber Type	Connector	Max Attenuation (Db)	Return Loss (dB)	Maximum Reflectance (dB)
Single-mode	All connector types	0.25	≥ 55	≤ -55
Multimode	All connector types	0.3	≥ 26	≤ -20

Cable Code Specifications

Table A								
Fiber Type				62.5 μm OM1	50 μm OM3	50 μm OM4	SM Ultra Bend-improved OS2	SMF-28e® OS2
Indoor/Outdoor Cable	Flame Rating	Fiber Count	Standard Leg OD	Cable Code				
FREEDM® One	Riser	2-144	900 μm	K8F	T8F	Q8F	G8F	
	Plenum	2-144	900 μm	K8P	T8P	Q8P	G8P	
FREEDM LST™	Riser	12-24	900 μm	KSF	TSF	QSF	GSF	
	Plenum	2-24	900 μm	KSP	TSP	QSP	GSP	
FREEDM Loose Tube	Riser	12-144	900 μm	KUF	TUF	QUF	GUF	
	Plenum	6-72	900 μm	KWP	TWP	QWP	GWP	
Outside Plant Cable	Flame Rating	Fiber Count	Standard Leg OD	Cable Code				
ALTOS® All-Dielectric	N/A	2-144	900 μm	KU4	TU4	QU4	GU4	
ALTOS Lite (Armored)	N/A	2-144	900 μm	KUC	TUC	QUC	GUC	
Outdoor Drop Cable	Flame Rating	Fiber Count	Standard Leg OD	Cable Code				
ROC™ Drop All-Dielectric	N/A	1	2.9 mm					RR4
ROC Drop Toneable	N/A	1	2.9 mm					RR1
SST Drop™ All-Dielectric	N/A	1-12	2.9 mm					RB4
SST Drop Toneable	N/A	1-12	2.9 mm					RB1

For additional cable options, please contact Customer Operations.

Cable Specifications

FREEDM Cables

[FREEDM One Riser](#)
[FREEDM One Plenum](#)
[FREEDM LST Plenum](#)
[FREEDM LST Riser](#)
[FREEDM Loose-Tube Riser](#)
[FREEDM Loose-Tube Plenum](#)

ROC Cables

[ROC Drop All-Dielectric](#)
[ROC Drop Toneable](#)

SST Drop Cables

[SST Drop All-Dielectric](#)
[SST Drop Toneable](#)

ALTOS Cables

[ALTOS All-Dielectric](#)
[ALTOS Lite \(Armored\)](#)

Example Part Numbers

Part Number	Product Description
004401RR40VA200F-P	ROC™ Drop All-Dielectric Cable Assembly, Pigtail/SC APC, SMF, 1F, (End A) Pigtail, [End B] 25 in. Legs, Straight-through Polarity, No Grip, 200 ft., Indv. Packaging
444401RR4VVA200F-PU	ROC Drop All-Dielectric Cable Assembly, SC APC/SC APC, SMF, 1F, (End A) 25 in. Legs, [End B] 25 in. Legs, Straight-through Polarity, No Grip, 200 ft., Indv. Packaging - BABA Compliant
020272G8FKKC200F	FREEDM® One Cable Assembly, LC UPC/LC UPC, SM Ultra, Riser, 72F, (End A) 24 in. Legs, (End B) 24 in. Legs, Straight-through Polarity, One Grip, 200 ft.
0404E4GU4KKB200F	ALTOS® All-Dielectric Cable Assembly, LC UPC duplex/LC UPC duplex, SM Ultra, 144F, (End A) 24 in. Legs, (End B) 24 in. Legs, Flipped Polarity, No Grip, 200 ft.

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