SECTION 27 15 23

Communications Patch Cords

[Specifier Notes] – This document uses hidden text to guide the specifier through various options while editing the document. Hidden text may be turned on two ways: with the “Show/Hide” symbol “¶” in the ribbon; or selecting “File” above the ribbon at the top left, then “Options” at the very lower left, then “Display” on the left side of the menu pop-up, and then check the box next to “Hidden Text.”

Please delete this note before printing.

1. GENERAL
	1. SECTION INCLUDES
		1. Connectors for Jumper Cables.
		2. Optical Fiber for Jumper Cables.
		3. Optical Fiber Jumper Cables.
	2. RELATED SECTIONS

[Specifier Notes]: Remove sections not required under project scope of work.

* + 1. Section 27 11 16 - Communications Cabinets, Racks, Frames and Enclosures.
		2. Section 27 13 23 - Communications Optical Fiber Backbone Cabling.
		3. Section 27 13 23 13 - Communications Optical Fiber Splicing and Terminations.
		4. Section 27 15 23 - Communications Optical Fiber for Horizontal Cabling
		5. Section 33 82 23 - Optical Fiber Communications Distribution Cabling.
	1. SUBMITTALS
		1. Submit in accordance with requirements of Section 01 30 00 - Administrative Requirements.
		2. Submittals for Initial Selection:
			1. Product Data: Manufacturer's technical data sheets, specifications, performance data and installation instructions for all products referenced in the scope of work defined in this section.
			2. Shop Drawings: Submit shop drawings required to depict the requirements for fabrication and installation. Include the following drawings as applicable:
				1. Proposed riser and horizontal cabling diagram.
				2. Overlay of system components on floor plans.
			3. Sample Warranty Information:
				1. Submit confirmation and details of manufacturer’s warranty, extended warranty, and replacement policies.
		3. Closeout submittals
			1. Maintenance Contracts.
			2. Operation and Maintenance Data.
			3. Preventative Maintenance Instructions.
			4. Final Site Survey.
			5. Warranties for all manufactured components specified in this section.
	2. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Minimum 25 years in business manufactured at a facility in the United States.
		2. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer of optical fiber.
	3. DELIVERY STORAGE AND HANDLING
		1. Deliver, store and handle materials and products in accordance with the manufacturer's instructions and recommendations and industry standards.
		2. Store all materials in the manufacturer’s original packaging until ready for installation. Protect all products from damage or exposure to adverse environmental conditions, including weather, humidity, and dust.
	4. Project Conditions
		1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
	5. Warranty
		1. Manufacturer’s Warranty: Manufacturer agrees to replace or refund the purchase price of products that fail from defects in material and workmanship within the specified warranty period.
			1. Warranty Period: One (1) year from date of Substantial Completion.
		2. Manufacturer’s Extended Warranty: Manufacturer agrees to replace or refund the purchase price of products that are installed by a manufacturer-certified installer that fail from defects in material and workmanship within the specified warranty period.
			1. Warranty Period: Twenty-five (25) years from date of Substantial Completion.
1. PRODUCTS
	1. MANUFACTURERS

[Specifier Notes] – Retain the following Paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + 1. Basis of Design Manufacturer: Corning Optical Communications LLC.
			1. Address: 4200 Corning Place; Charlotte, NC 28216.
			2. Toll Free Phone: (800)743-2675.
			3. Phone: (828)901-5000.
			4. Fax: (828)325-5060.
			5. Website: [www.corning.com/opcomm](https://www.corning.com/opcomm)
			6. Email: ccsamericas@corning.com.

[Specifier Notes] – Retain the following Paragraph if this document is written as a PERFORMANCE specification, without listing a manufacturer as a basis of design. Insert manufacturers that sell products comparable to those specified in this section. Delete if not required.

* + 1. Manufacturer List:
			1. Manufacturer:
		2. Substitution Limitations:
			1. Submit substitution requests in accordance with provisions of Section 01 60 00.
			2. Single manufacturer will provide, from a single source, optical fiber and accessories.
	1. PERFORMANCE REQUIREMENTS
		1. Cabling System Requirements:
			1. General Requirements: Provide cabling system able to support interconnections to active telecommunications equipment for voice and data applications in a multi-vendor, multi-product environment.
			2. Structured cabling system should adhere to the following:
				1. General: Provide cabling system in compliance with ANSI/TIA-568-D.
				2. Testing: Provide fiber optic jump cables in compliance with TIA-455.
				3. Thermal Cycling: Provide fiber optic jumper cables in compliance with GR-326 Section 4.4.
	2. Connectors for Jumper cables:
		1. Strain Relief: Provide connector with strain relief mechanism for coupling the aramid strength members to the connector.
		2. Index Matching Material: Index matching material between connector end faces to enhance performance shall not be permitted.
		3. Intermateability: Provide connector designed to properly mate with connector assemblies and adapters of the same type, even though they may be supplied from different manufacturers in compliance with TIA/EIA-604.
		4. Connector Keying: Provide connectors keyed to prevent rotation of the connector end faces relative to each other during installation or mating.
		5. Product Marking: Provide connector a permanent marking intended to last for the lifetime of the product. At a minimum, the marking should be the manufacturer’s a unique identification mark on the connector itself.
	3. Optical Fiber for tight buffered cables
		1. General Requirements: Provide optical fiber consisting of germania-doped silica core surrounded by a concentric glass cladding in accordance with the following requirements and compatible with the cable types specified below.
			1. Surface Imperfections: None.
			2. Protective Coating: Manufacturer’s standard dual layer acrylate in contact with the cladding surface.
			3. Proof Test: Minimum 100 kpsi (0.7 GN/m2).
		2. Single Mode (Dispersion Un-shifted) with Low Water Peak.
			1. Specifications:
				1. TIA/EIA-492CAAB.
				2. ITU G.652 (Categories A, B, C, and D).
			2. Geometry Requirements:
				1. Cladding:

Diameter: Between 125.0±0.7 µm.

Non-Circularity: No more than 0.7 percent.

* + - * 1. Mode Field Diameter:

9.2±0.4 µm at 1310 nm.

10.4±0.5 µm at 1550 nm.

* + - * 1. Core-to-Cladding Concentricity: No more than 0.5 µm.
				2. Coating Diameter: 245±5 µm.
				3. Fiber Curl: Radius of curvature no less than 4.0 m.
			1. Optical Requirements:
				1. Cabled Fiber Attenuation:

No more than 0.65 dB/km at 1310 nm.

No more than 0.65 dB/km at 1383±3 nm.

No more than 0.50 dB/km at 1550 nm.

* + - * 1. Point Discontinuity: No more than 0.05 dB at 1310 nm and 1550 nm.
				2. IEEE 802.3z GbE Distance: Up to 5000 m at 1300 nm.
		1. Single-Mode (Dispersion Un-shifter) Bend Improved Optical Fiber.
			1. Specifications:
				1. TIA/EIA-492CAAB.
				2. ITU-T G.652.D
				3. ITU-T G.657, Table A.
			2. Geometry Requirements:
				1. Cladding:

Diameter: Between 125.0±0.7 µm.

Non-Circularity: No more than 0.7 percent.

* + - * 1. Mode Field Diameter:

8.6±0.4 µm at 1310 nm.

9.8±0.5 µm at 1550 nm.

* + - * 1. Core-to-Cladding Concentricity: No more than 0.5 µm.
				2. Coating Diameter: 245±5 µm.
				3. Fiber Curl: Radius of curvature no less than 4.0 m.
			1. Optical Requirements:
				1. Cabled Fiber Attenuation:

No more than 0.65 dB/km at 1310 nm.

No more than 0.65 dB/km at 1383±3 nm.

No more than 0.50 dB/km at 1550 nm.

* + - * 1. Point Discontinuity: No more than 0.05 dB at 1310 nm and 1550 nm.
				2. IEEE 802.3z GbE Distance: Up to 5000 m at 1300 nm.
		1. Single-Mode (Dispersion Un-shifted) Bend-Tolerant Optical Fiber.
			1. Specifications:
				1. ITU-T G.652, Table D.
				2. ITU-T G.657, Tables A2 and B2.
				3. IEC 60793-2-50, Type B1.3 and B6\_b.
				4. Telecordia GR-20-CORE.
			2. Geometry Requirements:
				1. Cladding:

Diameter: Between 125.0±0.7 µm.

Non-Circularity: No more than 0.7 percent.

* + - * 1. Mode Field Diameter:

8.6±0.4 µm at 1310 nm.

9.65±0.5 µm at 1550 nm.

* + - * 1. Core-to-Cladding Concentricity: No more than 0.5 µm.
				2. Coating Diameter: 245±5 µm.
				3. Fiber Curl: Radius of curvature no less than 4.0 m.
			1. Optical Requirements:
				1. Cabled Fiber Attenuation:

No more than 0.65 dB/km at 1310 nm.

No more than 0.65 dB/km at 1383±3 nm.

No more than 0.50 dB/km at 1550 nm.

* + - * 1. Point Discontinuity: No more than 0.05 dB at 1310 nm and 1550 nm.
				2. IEEE 802.3z GbE Distance: Up to 5000 m at 1300 nm.
		1. Single-Mode (Dispersion Un-shifted) Bend Insensitive Optical Fiber.
			1. Specifications:
				1. ITU-T G.652, Table D.
				2. ITU-T G.657, Table B3.
			2. Geometry Requirements:
				1. Cladding:

Diameter: Between 125.0±0.7 µm.

Non-Circularity: No more than 0.7 percent.

* + - * 1. Mode Field Diameter:

8.6±0.4 µm at 1310 nm.

9.65±0.5 µm at 1550 nm.

* + - * 1. Core-to-Cladding Concentricity: No more than 0.5 µm.
				2. Coating Diameter: 245±5 µm.
				3. Fiber Curl: Radius of curvature no less than 4.0 m.
			1. Optical Requirements:
				1. Cabled Fiber Attenuation:

No more than 0.65 dB/km at 1310 nm.

No more than 0.50 dB/km at 1550 nm.

* + - * 1. Point Discontinuity: No more than 0.05 dB at 1310 nm and 1550 nm.
		1. Multimode Standard 62.5/125 μm Fiber (OM1).
			1. Specifications:
				1. TIA/EIA-492AAAA-A-1997.
				2. IEC 60793-2-10.
			2. Geometry Requirements:
				1. Core:

Diameter: 62.5±2.5 µm.

Non-Circularity: No more than 5 percent.

* + - * 1. Cladding:

Diameter: 125±2 µm.

Non-Circularity: No more than 1 percent.

* + - * 1. Core-to-Cladding Concentricity: No more than 1.5 µm.
				2. Coating Diameter: Primary, Uncolored; 242±5 µm.
				3. Colored Fiber Nominal Diameter: Between 253 and 259 µm.
			1. Optical Requirements:
				1. Cabled Fiber Attenuation:

No more than 2.8 dB/km at 850 nm.

No more than 1.0 dB/km at 1300 nm.

* + - * 1. Point Discontinuity: No more than 0.2 dB at 850 nm and 1300 nm.
				2. Cabled Effective Modal Bandwidth: No less than 220 MHz·km at 850 nm.
				3. IEEE 802.3z GbE Distance:

Up to 300 m at 850 nm.

Up to 550 m at 1300 nm.

* + - * 1. OFL Bandwidth:

No less than 200 MHz·km at 850 nm.

No less than 500 MHz·km at 1300 nm.

* + - * 1. Numerical Aperture: 0.275±0.015.
		1. Multimode Standard 50/125 μm Fiber – 150 (OM2).
			1. Specifications:
				1. TIA/EIA-492AAAB.
				2. IEC 60793-2-10.
			2. Geometry Requirements:
				1. Core:

Diameter: 50.0±2.5 µm.

Non-Circularity: No more than 5 percent.

* + - * 1. Cladding:

Diameter: 125±1 µm.

Non-Circularity: No more than 1 percent.

* + - * 1. Core-to-Cladding Concentricity: No more than 1.5 µm.
				2. Coating Diameter: Primary, Uncolored; 242±5 µm.
				3. Colored Fiber Nominal Diameter: Between 253 and 259 µm.
			1. Optical Requirements:
				1. Cabled Fiber Attenuation:

No more than 3.4 dB/km at 850 nm.

No more than 1.0 dB/km at 1300 nm.

* + - * 1. Point Discontinuity: No more than 0.2 dB at 850 nm and 1300 nm.
				2. Cabled Effective Modal Bandwidth: No less than 950 MHz·km at 850 nm.
				3. IEEE 802.3z GbE Distance:

Up to 750 m at 850 nm.

Up to 600 m at 1300 nm.

* + - * 1. IEEE 802.3ae 10 GbE Distance: Up to 150 m at 850 nm.
				2. OFL Bandwidth:

No less than 700 MHz·km at 850 nm.

No less than 500 MHz·km at 1300 nm.

* + - * 1. Numerical Aperture: 0.200±0.015.
		1. Multimode Laser-optimized 50/125 μm Fiber – 300 (OM3).
			1. Specifications:
				1. TIA/EIA-492AAAC.
				2. IEC 60793-2-10.
			2. Geometry Requirements:
				1. Core:

Diameter: 50.0±2.5 µm.

Non-Circularity: No more than 5 percent.

* + - * 1. Cladding:

Diameter: 125±1 µm.

Non-Circularity: No more than 1 percent.

* + - * 1. Core-to-Cladding Concentricity: No more than 1.5 µm.
				2. Coating Diameter: Primary, Uncolored; 242±5 µm.
				3. Colored Fiber Nominal Diameter: Between 253 and 259 µm.
			1. Optical Requirements:
				1. Cabled Fiber Attenuation:

No more than 2.8 dB/km at 850 nm.

No more than 1.0 dB/km at 1300 nm.

* + - * 1. Point Discontinuity: No more than 0.2 dB at 850 nm and 1300 nm.
				2. Cabled Effective Modal Bandwidth: No less than 2000 MHz·km at 850 nm.
				3. IEEE 802.3z GbE Distance:

Up to 1000 m at 850 nm.

Up to 600 m at 1300 nm.

* + - * 1. IEEE 802.3ae 10 GbE Distance: Up to 300 m at 850 nm.
				2. OFL Bandwidth:

No less than 1500 MHz·km at 850 nm.

No less than 500 MHz·km at 1300 nm.

* + - * 1. Numerical Aperture: 0.200±0.015.
		1. Multimode Laser-optimized 50/125 μm Fiber – 550 (OM4).
			1. Specifications:
				1. TIA/EIA-492AAAD.
			2. Geometry Requirements:
				1. Core:

Diameter: 50.0±2.5 µm.

Non-Circularity: No more than 5 percent.

* + - * 1. Cladding:

Diameter: 125±1 µm.

Non-Circularity: No more than 1 percent.

* + - * 1. Core-to-Cladding Concentricity: No more than 1.5 µm.
				2. Coating Diameter: Primary, Uncolored; 242±5 µm.
				3. Colored Fiber Nominal Diameter: Between 253 and 259 µm.
			1. Optical Requirements:
				1. Cabled Fiber Attenuation:

No more than 2.8 dB/km at 850 nm.

No more than 1.0 dB/km at 1300 nm.

* + - * 1. Point Discontinuity: No more than 0.2 dB at 850 nm and 1300 nm.
				2. Cabled Effective Modal Bandwidth: No less than 4700 MHz·km at 850 nm.
				3. IEEE 802.3z GbE Distance:

Up to 1100 m at 850 nm.

Up to 600 m at 1300 nm.

* + - * 1. IEEE 802.3ae 10 GbE Distance: Up to 550 m at 850 nm.
				2. OFL Bandwidth:

No less than 3500 MHz·km at 850 nm.

No less than 500 MHz·km at 1300 nm.

* + - * 1. Numerical Aperture: 0.200±0.015.
		1. Multimode Laser-optimized 50/125 μm Fiber – 600 (OM4).
			1. Specifications:
				1. TIA/EIA-492AAAD.
			2. Geometry Requirements:
				1. Core:

Diameter: 50.0±2.5 µm.

Non-Circularity: No more than 5 percent.

* + - * 1. Cladding:

Diameter: 125±1 µm.

Non-Circularity: No more than 1 percent.

* + - * 1. Core-to-Cladding Concentricity: No more than 1.5 µm.
				2. Coating Diameter: Primary, Uncolored; 242±5 µm.
				3. Colored Fiber Nominal Diameter: Between 253 and 259 µm.
			1. Optical Requirements:
				1. Cabled Fiber Attenuation:

No more than 2.8 dB/km at 850 nm.

No more than 1.0 dB/km at 1300 nm.

* + - * 1. Point Discontinuity: No more than 0.2 dB at 850 nm and 1300 nm.
				2. Cabled Effective Modal Bandwidth: No less than 5350 MHz·km at 850 nm.
				3. IEEE 802.3z GbE Distance:

Up to 1100 m at 850 nm.

Up to 600 m at 1300 nm.

* + - * 1. IEEE 802.3ae 10 GbE Distance: Up to 600 m at 850 nm.
				2. OFL Bandwidth:

No less than 3500 MHz·km at 850 nm.

No less than 500 MHz·km at 1300 nm.

* + - * 1. Numerical Aperture: 0.200±0.015.
	1. Indoor Tight Buffered Optical Fiber Cables

Specifier Notes – For more information about tight buffer fiber optic cables in this article see: https://www.corning.com/catalog/coc/documents/generic-specifications/PGS049.pdf

* + 1. General Requirements: Provide fiber optic cables that meet the following requirements when tested in accordance with the testing requirements in this section.
			1. Attenuation: Fiber optic cables shall not exceed the following change in attenuation:
				1. Single mode: 0.4 dB at 1550 nm.
				2. Multimode: 0.6 dB at 1300 nm.
			2. Jacket shall not crack, split, or tear.
			3. No mechanical damage to fibers.
		2. Testing Requirements:
			1. Temperature Cycling for Tight Buffered and Hybrid Fiber Optic Cables: FOTP-3.
				1. Storage: -40 °C to 70 °C (-40 °F to 158 °F).
				2. Installation: -10 °C to 60 °C (14 °F to 140 °F).
				3. Operation: -20 °C to 70 °C (-4 °F to 158 °F).
			2. Crush Resistance: FOTP-41.
				1. Force: 100 N/cm (57 lbf/in).
			3. Cyclic Flexing: FOTP-104.
			4. Bending: FOTP-37.
			5. Impact Resistance: FOTP-25.
				1. Impact Energy: 2.94 N⋅m (26.38 in⋅lbf).
			6. Twisting: FOTP-85.
			7. Tensile and Fiber Strain: FOTP-33.
				1. Cables under 12 feet (3.7 m): 660 N (148 lbf).
	1. Single fiber Tight Buffered jumper cables
		1. 1.6 mm Jumper Riser Cables with LC-LC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 1.6 mm, LC-LC, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Connectors: Standard LC Simplex.
		1. 2.0 mm Jumper Riser Cables with LC-LC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 2.0 mm, LC-LC, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.
			4. Fiber Type: 50 μm multimode (OM3).
			5. Connectors: Standard LC Simplex.
		1. 2.0 mm Jumper Plenum Cables with LC-LC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Plenum, 2.0 mm, LC-LC, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.0 mm.
			4. Fiber Type: Single-mode (OM2).
			5. Connectors: Standard LC Simplex.
		1. 1.6 mm Jumper Riser Cables with LC-SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 1.6 mm, LC-SC, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.
			4. Fiber Type: 50 μm multimode (OM3).
			5. A-Side Connector: Standard LC Simplex.
			6. B-Side Connector: Standard SC Simplex.
		1. 2.0 mm Jumper Riser Cables with LC-SC Connectors.

2.0 mm Jumper Plenum Cables with LC-SC Connectors. [Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 2.0 mm, LC-SC, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.
			4. Fiber Type: 50 μm multimode (OM3).
			5. A-Side Connector: Standard LC Simplex.
			6. B-Side Connector: Standard SC Simplex.
		1. 2.0 mm Jumper Riser Cables with LC-ST Compatible Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 2.0 mm, LC-ST Compatible, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.
			4. Fiber Type: 50 Multi-mode (OM4) Bend-Improved.
			5. A Connector: Standard SC UPC Simplex.
			6. B Connector: Standard ST.
		1. 900 μm Jumper Riser Cables with SC-SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 900 μm, SC-SC, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 900 μm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Connectors: Standard SC Simplex.
		1. 1.6 mm Jumper Riser Cables with SC-SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 1.6 mm, SC-SC, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.

[Specifier Notes] – Retain one of the three following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Connectors: Standard SC APC Simplex.
		1. 2.0 mm Jumper Riser Cables with SC-SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 2.0 mm, SC-SC, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the three following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 µm multi-mode (OM3).
			4. Connectors: Standard SC Simplex.
		1. 2.9 mm Jumper Riser Cables with SC-SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 2.9 mm, SC-SC, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.9 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: 62.5 µm multi-mode (OM1).
			3. Fiber Type: 50 µm multi-mode (OM3).
			4. Connectors: Standard SC Simplex.
		1. 2.0 mm Jumper Plenum Cables with SC-SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Plenum, 2.0 mm, SC-SC, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.0 mm.
			4. Fiber Type: 9 µm single-mode (OS2).
			5. Connectors: Standard SC Simplex.
		1. 2.9 mm Jumper Plenum Cables with SC-SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Plenum, 2.9 mm, SC-SC, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.9 mm.
			4. Fiber Type: 9 µm single-mode (OS2).
			5. Connectors: Standard SC Simplex.
		1. 1.6 mm Jumper Riser Cables with SC-ST Compatible Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 1.6 mm, SC-ST Compatible, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. A Connector: Standard SC UPC Simplex.
			4. B Connector: Standard ST.
		1. 2.0 mm Jumper Riser Cables with SC-ST Compatible Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 2.0 mm, SC-ST Compatible, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. A Connector: Standard SC UPC Simplex.
			4. B Connector: Standard ST.
		1. 2.9 mm Jumper Riser Cables with SC-ST Compatible Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 2.9 mm, SC-ST Compatible, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.9 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. A Connector: Standard SC Simplex.
			4. B Connector: Standard ST Compatible.
		1. 900 μm Jumper Riser Cables with FC-SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, FC-SC, Tight Buffered, Riser, 900 µm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 900 µm.
			4. Fiber Type: Single-mode (OS2).
			5. A Connector: Standard FC.
			6. B Connector: Standard SC Simplex.
		1. 2.0 mm Jumper Riser Cables with Pigtail to LC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Tight Buffered, Riser, 2 mm, Pigtail to SC, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: 62.5 µm multimode (OM1).
			2. Fiber Type: 50 μm multimode (OM3).
			3. A Connector: None.
			4. B Connector: Standard LC Simplex.
		1. 2.0 mm Jumper Riser Cables with Pigtail to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 1F, Pigtail to SC, Tight Buffered, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.
			4. Fiber Type: 50 μm multimode (OM3).
			5. A Connector: None.
			6. B Connector: Standard SC Simplex.
	1. Two fiber DFX jumper cables
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC to LC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to LC, DFX, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.
			4. Fiber Type: Single-mode (OS2).
			5. Connectors: Standard LC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to SC, DFX, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.
			4. Fiber Type: Single-mode (OS2).
			5. A-Side Connector: Standard LC Simplex.
			6. B-Side Connector: Standard SC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, DFX, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.
			4. Fiber Type: Single-mode (OS2).
			5. Connectors: Standard SC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with SC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC to SC, DFX, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.
			4. Fiber Type: Single-mode (OS2).
			5. Connectors: Standard SC Simplex.
	1. TWO FIBER FAN-OUT Jumper Cables
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with LC Duplex to LC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to LC Duplex, Fan-Out, Riser, 1.6 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.
			4. Fiber Type: Single-mode (OS2).
			5. Connectors: Standard LC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC Duplex to LC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to LC Duplex, Fan-Out, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.
			4. Fiber Type: Single-mode (OS2).
			5. Connectors: Standard LC Duplex.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with LC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: , by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. A Connector: Standard LC Duplex.
			6. B Connector: Standard SC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: , by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. A Connector: Standard LC Duplex.
			6. B Connector: Standard SC Duplex.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with LC to LC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to LC, Fan-Out, Riser, 1.6 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.
			4. Fiber Type: Single-mode (OS2) Bend-Improved.
			5. Connectors: Standard LC Simplex.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with LC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to SC, Fan-Out, Riser, 1.6 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. A Connector: Standard LC Simplex.
			6. B Connector: Standard SC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to SC, Fan-Out, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. A Connector: Standard LC Simplex.
			6. B Connector: Standard SC Simplex.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, Fan-Out, Riser, 1.6 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.
			4. Fiber Type: Single-mode (OS2) Bend-Improved.
			5. Connectors: Standard SC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, Fan-Out, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.
			4. Fiber Type: Single-mode (OS2) Bend-Improved.
			5. Connectors: Standard SC Duplex.
	1. TWO FIBER MIC JUMPER CABLES
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC Duplex to LC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to LC Duplex, MIC, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2 mm.
			4. Fiber Type: 50 μm multi-mode (OM3).
			5. Connectors: Standard LC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Plenum Cables with LC Duplex to LC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: , by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2 mm.
			4. Fiber Type: 50 μm multi-mode (OM3).
			5. Connectors: Standard LC Duplex.
		1. 900 μm Fiber-Optic Jumper Riser Cables with LC to LC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to LC, MIC, Riser, 900 μm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 900 μm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Ultra fiber.
			3. Connectors: Standard LC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC to LC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to LC, MIC, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Ultra fiber.
			3. Connectors: Standard LC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to SC, MIC, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.
			4. Fiber Type: Single-mode (OS2).
			5. A Connector: Standard LC Simplex.
			6. B Connector: Standard SC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC to SC APC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to SC APC, MIC, Riser, 2.0 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			4. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Connectors: Standard LC Simplex.
			4. Connectors: Standard SC APC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, MIC, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2) Bend-Improved.
			2. Fiber Type: 50 μm multi-mode (OM3).
			3. Connectors: Standard SC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with SC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC to SC, MIC, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.
			4. Fiber Type: Single-mode (OS2).
			5. Connectors: Standard SC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Plenum Cables with SC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC to SC, MIC, Plenum, 2.0 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.0 mm.
			4. Fiber Type: Single-mode (OS2).
			5. Connectors: Standard SC Simplex.
	1. TWO FIBER ZIPCORD JUMPER CABLES
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with LC Duplex to LC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to LC Duplex, Zipcord, Riser, 1.6 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.

[Specifier Notes] – Retain one of the four following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. Connectors: Standard LC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC Duplex to LC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to LC Duplex, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the four following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 62.5 μm multi-mode (OM1).
			4. Fiber Type: 50 μm multi-mode (OM3).
			5. Connectors: Standard LC Duplex.
		1. 1.6 mm Fiber-Optic Jumper Plenum Cables with LC Duplex to LC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to LC Duplex, Zipcord, Plenum, 1.6 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 1.6 mm.

[Specifier Notes] – Retain one of the four following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. Connectors: Standard LC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Plenum Cables with LC Duplex to LC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to LC Duplex, Zipcord, Plenum, 2.0 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the three following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: 62.5 μm multi-mode (OM1).
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Connectors: Standard LC Duplex.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with LC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to SC Duplex, Zipcord, Riser, 1.6 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.

[Specifier Notes] – Retain one of the four following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. A Connector: Standard LC Duplex.
			6. B Connector: Standard SC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to SC Duplex, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the four following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. A Connector: Standard LC Duplex.
			6. B Connector: Standard SC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Plenum Cables with LC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to SC Duplex, Zipcord, Plenum, 2.0 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the three following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: 50 μm multi-mode (OM3).
			3. Fiber Type: 62.5 μm multi-mode (OM1).
			4. A Connector: Standard LC Duplex.
			5. B Connector: Standard SC Duplex.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with LC Duplex to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to SC, Zipcord, Riser, 1.6 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.
			4. Fiber Type: 50 μm multi-mode (OM3).
			5. A Connector: Standard LC Duplex.
			6. B Connector: Standard SC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC Duplex to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to SC, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: 50 μm multi-mode (OM3).
			3. A Connector: Standard LC Duplex.
			4. B Connector: Standard SC Simplex.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with LC Duplex to ST Compatible Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to ST Compatible, Zipcord, Riser, 1.6 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. A Connector: Standard LC Duplex.
			6. B Connector: Standard ST Compatible.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC Duplex to ST Compatible Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to ST Compatible, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: 50 μm multi-mode (OM3).
			2. Fiber Type: 62.5 μm multi-mode (OM1).
			3. A Connector: Standard LC Duplex.
			4. B Connector: Standard ST Compatible.
		1. 2.0 mm Fiber-Optic Jumper Plenum Cables with LC Duplex to ST Compatible Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to ST Compatible, Zipcord, Plenum, 2.0 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.0 mm.
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. A Connector: Standard LC Duplex.
			6. B Connector: Standard ST Compatible.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC Duplex to FC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC Duplex to FC, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.
			4. Fiber Type: Single-mode (OS2).
			5. A Connector: Standard LC Duplex.
			6. B Connector: Standard FC.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC to LC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to LC, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Ultra fiber.
			3. Connectors: Standard LC Simplex.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with LC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to SC, Zipcord, Riser, 1.6 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			4. Diameter: 1.6 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. A Connector: Standard LC Simplex.
			4. B Connector: Standard SC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with LC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, LC to SC, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. A Connector: Standard LC Simplex.
			4. B Connector: Standard SC Simplex.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, Zipcord, Riser, 1.6 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			4. Diameter: 1.6 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Connectors: Standard SC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the four following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. Connectors: Standard SC Duplex.
		1. 2.9 mm Fiber-Optic Jumper Riser Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, Zipcord, Riser, 2.9 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.9 mm.

[Specifier Notes] – Retain one of the three following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: 50 μm multi-mode (OM3).
			3. Fiber Type: 62.5 μm multi-mode (OM1).
			4. Connectors: Standard SC Duplex.
		1. 1.6 mm Fiber-Optic Jumper Plenum Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, Zipcord, Plenum, 1.6 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 1.6 mm.
			4. Fiber Type: Single-mode (OS2).
			5. Connectors: Standard SC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Plenum Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, Zipcord, Plenum, 2.0 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the four following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 50 μm multi-mode (OM3).
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. Connectors: Standard SC Duplex.
		1. 2.9 mm Fiber-Optic Jumper Plenum Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, Zipcord, Plenum, 2.9 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.9 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: 50 μm multi-mode (OM3).
			3. Connectors: Standard SC Duplex.
		1. 2.0 mm Low-Loss Fiber-Optic Jumper Riser Cables with SC Duplex to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC Duplex to SC Duplex, Zipcord, Riser, Low-Loss, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.
			4. Fiber Type: 50 μm multi-mode (OM3).
			5. Connectors: Standard SC Duplex.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with SC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC to SC, Zipcord, Riser, 1.6 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.
			4. Fiber Type: 50 μm multi-mode (OM3).
			5. Connectors: Standard SC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with SC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC to SC, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: Single-mode (OS2) Bend-Improved.
			3. Fiber Type: 62.5 μm multi-mode (OM1).
			4. Connectors: Standard SC Simplex.
		1. 2.9 mm Fiber-Optic Jumper Riser Cables with SC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, SC to SC, Zipcord, Riser, 2.9 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.9 mm.

[Specifier Notes] – Retain one of the two following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: 62.5 μm multi-mode (OM1).
			3. Connectors: Standard SC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with ST Compatible to ST Compatible Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, ST Compatible to ST Compatible, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the three following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: 50 μm multi-mode (OM3).
			3. Fiber Type: 62.5 μm multi-mode (OM1).
			4. Connectors: Standard ST Compatible.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with ST Compatible to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, ST Compatible to SC Duplex, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.

[Specifier Notes] – Retain one of the three following subparagraphs to meet project requirements.

* + - 1. Fiber Type: Single-mode (OS2).
			2. Fiber Type: 50 μm multi-mode (OM3).
			3. Fiber Type: 62.5 μm multi-mode (OM1).
			4. A Connector: Standard ST Compatible.
			5. B Connector: Standard SC Duplex.
		1. 2.9 mm Fiber-Optic Jumper Riser Cables with ST Compatible to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, ST Compatible to SC Duplex, Zipcord, Riser, 2.9 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.9 mm.
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. A Connector: Standard ST Compatible.
			6. B Connector: Standard SC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Plenum Cables with ST Compatible to SC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, ST Compatible to SC Duplex, Zipcord, Plenum, 2.0 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.0 mm.
			4. Fiber Type: 50 μm multi-mode (OM3).
			5. A Connector: Standard ST Compatible.
			6. B Connector: Standard SC Duplex.
		1. 2.0 mm Fiber-Optic Jumper Plenum Cables with FC to FC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, FC to FC, Zipcord, Plenum, 2.0 mm, by Corning Optical.
			2. Plenum Flame and Smoke: Provide cable in compliance with NFPA 262.
			3. Diameter: 2.0 mm.
			4. Fiber Type: Single-mode (OS2).
			5. Connectors: Standard FC.
		1. 1.6 mm Fiber-Optic Jumper Riser Cables with FC to SC Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, FC to SC, Zipcord, Riser, 1.6 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 1.6 mm.
			4. Fiber Type: Single-mode (OS2) Bend-Improved.
			5. A Connector: Standard FC.
			6. B Connector: Standard SC Simplex.
		1. 2.0 mm Fiber-Optic Jumper Riser Cables with Pigtail to LC Duplex Connectors.

[Specifier Notes] – Retain the following paragraph if this document is a PROPRIETARY Specification, with Corning Optical products listed as the Basis of Design. Delete if not required.

* + - 1. Basis of Design Product: Fiber-Optic Jumper, 2F, Pigtail to LC Duplex, Zipcord, Riser, 2.0 mm, by Corning Optical.
			2. Riser Flame and Smoke: Provide cable in compliance with UL 1666.
			3. Diameter: 2.0 mm.
			4. Fiber Type: 62.5 μm multi-mode (OM1).
			5. A Connector: None.
			6. B Connector: Standard LC Duplex.
1. EXECUTION
	1. EXAMINATION
		1. Verification of Conditions: Do not begin installation until substrates have been properly prepared.
		2. Evaluation and Assessment: If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Surface Preparation: Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install all products in this section following the product manufacturer’s published installation and application manuals and guidelines.
	4. FIELD QUALITY CONTROL
		1. Testing Agency: Owner may engage a qualified testing agency to perform tests and inspections.
			1. Inspections: Fiber optic cables, accessories, and installation are subject to inspection for compliance with requirements and photograph documentation of conditions to be concealed by subsequent Work.
		2. Tests: As determined by Owner's testing agency from among the following tests:
			1. Optical Fiber Cabling Components: Test in accordance with ANSI/TIA 568.3-D.
			2. Optical Power Loss: Test in accordance with ANSI/TIA-526-14-C.
			3. <<INSERT REQUIRED FIELD TESTS>>
		3. Fiber optic cable will be considered defective if it does not pass tests and inspections.
	5. PROTECTION
		1. Protect installed products until substantial completion, replace damaged materials and retest.

End of Section