

Indoor/Outdoor LSZH Special Applications Tube Cables

Sumitomo Electric Lightwave's FutureFLEX® Indoor/Outdoor LSZH Special Application Tube Cables are designed for use as an optical fiber cabling infrastructure in Air-Blown Fiber® applications which meets NFPA 130 (Standard for Fixed Guideway Transit and Passenger Rail Systems) and low smoke zero halogen (LSZH) requirements. These requirements include FT-4-ST-1/IEEE 1202 exposure requirements for char height, total smoke released, and peak smoke released rate of ANSI/UL 1685.

These tube cables may also be used in indoor applications where (1) Optical Fiber Nonconductive/Conductive Riser-rated (OFNR/OFNR or FT4-ST-1) apply, or (2) no fire ratings apply.

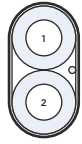
The MTIO series are pulled or placed in indoor/outdoor routes for the purpose of individual tube interconnection to establish pathways for FutureFLEX® fiber bundle installation.

SPECIFICATIONS

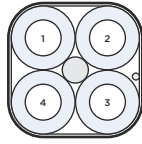
PROPERTY	SPECIFICATION
Transit and Passenger Rail Systems	NFPA 130, IEEE 1202, ANSI/UL 1685, UL1666, OFNR, FT-4-ST1
Operation Temperature Range	-40° F to + 158°F (-40° C to +70° C)
Minimum Bend Radius (During/After Installation)	20 / 10 x Cable OD
Standard Reel Length	3,000 ft (+30 ft / -0 ft)
Maximum Reel Length	3,000 ft (+30 ft / -0 ft)
Metallic Elements (Armored Only)	Bonding/Grounding Required
Inner Tube ID / OD	6 mm / 8 mm



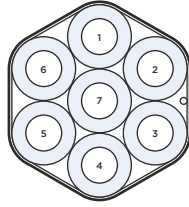
TUBE COUNTS



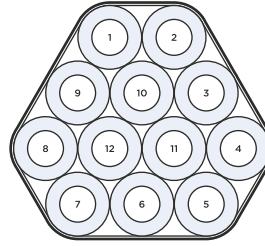
2-Tube



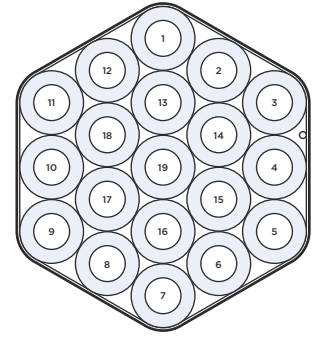
4-Tube



7-Tube



12-Tube



19-Tube

ORDERING INFORMATION

Non-Armored Tube Cables (MTIO Series)

UL/cUL FT4 NFPA 130 Indoor/Outdoor Tube Cables

PART NUMBER	TUBE COUNT	O.D.	MAX WEIGHT	STD LENGTH	MAX LENGTH
		IN	LBS/KFT	FT	FT
TC02MTIO	2	0.84	128	3,000	3,000
TC04MTIO	4 (CSM)	0.97	235	3,000	3,000
TC07MTIO	7	1.15	336	3,000	3,000
TC12MTIO	12	1.43	437	3,000	3,000
TC19MTIO	19	1.78	672	3,000	3,000

Armored Tube Cables (MTIO-4 Series)

UL/cUL FT4 NFPA 130 Indoor/Outdoor Tube Cables with Interlocked Galvanized Steel Armor LSZH Jacketed

PART NUMBER	TUBE COUNT	O.D.	MAX WEIGHT	STD LENGTH	MAX LENGTH
		IN	LBS/KFT	FT	FT
TC02MTIO-4	2	1.20	531	3,000	3,000
TC04MTIO-4	4 (CSM)	1.38	623	3,000	3,000
TC07MTIO-4	7	1.50	1,001	3,000	3,000
TC12MTIO-4	12	1.77	1,223	3,000	3,000
TC19MTIO-4	19	2.17	1,850	3,000	3,000

To learn more information visit www.SumitomoElectricLightwave.com