

# Outdoor Normal Environment Tube Cables (Duct and Direct Buried)

Sumitomo Electric Lightwave's FutureFLEX® Outdoor Normal Environment Tube Cables (Duct and Direct Buried) are single- and multi-tube cables designed for use in creating tube cable infrastructures in outdoor environments where non-conductive elements are desired or required.

The TOX series are designed for all normal OSP environments in duct and in direct buried applications below the frost line.

## FEATURES

- Works with all fiber bundle counts from 2 to 72 (PEF & PVDF)
- High-performance black polyethylene (PE) tubes
- Meets TIA standards

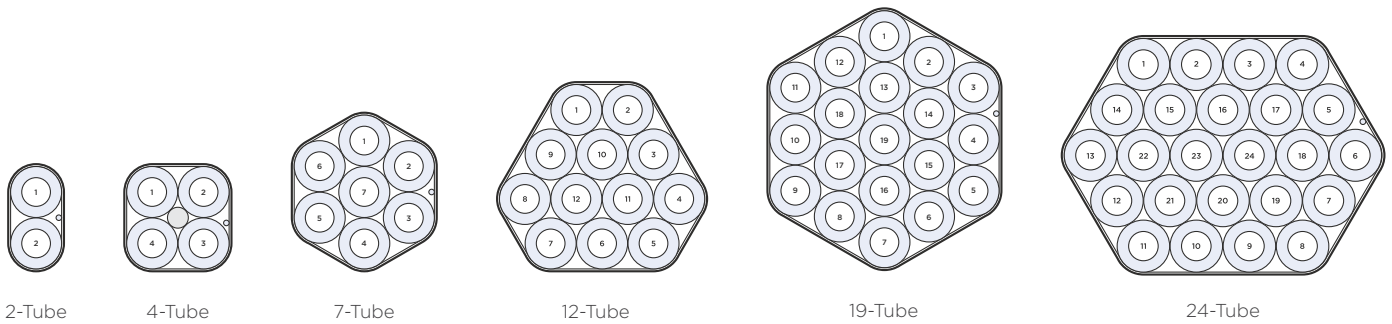
## SPECIFICATIONS

PROPERTY	SPECIFICATION
Non-Armored Tube Cables	Water-Blocked, Dielectric Tube Cables
Armored Tube Cables	with Jacketed Interlocked Steel Armor
Operation Temperature Range	-40°F to +158°F (-40°C to +70°C)
Minimum Bend Radius (During/After Installation)	20 / 10 x Cable O.D.
Standard Reel Length	3,000 ft (except TC24TOX 2,000 ft)
Maximum Reel Length	3,000 ft (except TC24TOX 2,000 ft)
Metallic Elements (Armored Tube Cables Only)	Bonding / Grounding Required
M.O.Q. (Armored Tube Cables Only)	1,000 ft
Inner Tube ID / OD	6mm / 8mm



To learn more information visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)

## TUBE COUNTS



## ORDERING INFORMATION

Standard Tube Cables - Inventory Products (Non-Armored 1, 2, 4, 7, and 19 Tube Cables Only)

PART NUMBER	TUBE COUNT	O.D.	MAX WEIGHT	MAX TENSILE LOAD	STD LENGTH
		IN	LBS/KFT	LBS	FT
TC01TOX	1	0.53	59	200	3,000
TC02TOX	2	0.81	90	200	3,000
TC04TOX	4 (CSM)	0.94	146	400	3,000
TC07TOX	7	1.14	203	400	3,000
TC19TOX	19	1.77	444	500	3,000

Built-to-Order Tube Cables — Non-Inventory Products

PART NUMBER	TUBE COUNT	O.D.	MAX WEIGHT	MAX TENSILE LOAD	STD LENGTH
		IN	LBS/KFT	LBS	FT
TC02TOX-2	2	1.20	490	500	3,000
TC04TOX-2	4 (CSM)	1.31	538	500	3,000
TC07TOX-2	7	1.50	874	600	3,000
TC12TOX*	12	1.46	300	400	3,000
TC12TOX-2*	12	1.89	1,089	600	3,000
TC19TOX-2	19	2.10	1,653	600	3,000
TC24TOX*	24	2.00	650	500	2,000

\*No Special Cut Available for the 12 and 24 Tube Cables — Standard Length Only

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