

Outdoor All-Dielectric Tube Cables

These single- and multi-tube cables are designed for use in creating tube cable infrastructures in outdoor environments where non-conductive elements are desired or required. The TOX & TOD series are for all normal OSP environments in duct and in direct buried applications below the frost line.

The MSOS is designed for all normal OSP environments and in aerial or duct applications requiring enhanced thermal stability (i.e., on poles, refineries, industrial outdoor installations, or above frost lines/exposed to ambient air temperature changes).

FEATURES

- Dry Tape Water-blocked Cable Core
- Interlocked Steel Armor
- Cable Length Markings at 2 Foot Intervals
- Tube ID Numbers Marked at 2 Inch Intervals
- Meets TIA Standards

SPECIFICATIONS

PROPERTY	SPECIFICATION
Operation Temperature Range	-40°F to +158°F (-40°C to +70°C) (ICEA 640)
Minimum Bend Radius (During Installation)	20 x Cable OD
Minimum Bend Radius (After Installation)	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	6mm / 8mm



PHYSICAL CHARACTERISTICS

PART NUMBER	DESCRIPTION	OUTSIDE DIAMETER (IN.)	MAX WEIGHT (LBS./KFT.)	MAX TENSILE LOAD (LBS.)	STD LENGTH (FT.)	MAX LENGTH (FT.)
TC02MSOS	Water-Blocked, Dielectric Tube Cable - Low Shrink, with 4 Yellow Stripes; 2 Tubes	0.81	90	200	3,000	3,000
TC04MSOS	Water-Blocked, Dielectric Tube Cable with CM-Low Shrink, with 4 Yellow Stripes; 4 Tubes	0.94	146	200	3,000	3,000
TC07MSOS	Water-Blocked, Dielectric Tube Cable - Low Shrink, with 4 Yellow Stripes; 7 Tubes	1.14	203	400	3,000	3,000
TC12MSOS	Water-Blocked, Dielectric Tube Cable - Low Shrink, with 4 Yellow Stripes; 12 Tubes	1.51	300	400	3,000	3,000
TC19MSOS	Water-Blocked, Dielectric Tube Cable - Low Shrink, with 4 Yellow Stripes; 19 Tubes	1.77	444	600	3,000	3,000
TC02MSOS-2	Same as TC02MSOS with Jacketed Interlocked Steel Armor	1.20	490	500	3,000	3,000
TC04MSOS-2	Same as TC04MSOS with Jacketed Interlocked Steel Armor	1.34	538	500	3,000	3,000
TC07MSOS-2	Same as TC07MSOS with Jacketed Interlocked Steel Armor	1.54	874	600	3,000	3,000
TC12MSOS-2	Same as TC12MSOS with Jacketed Interlocked Steel Armor	1.89	1,089	600	3,000	3,000
TC19MSOS-2	Same as TC19MSOS with Jacketed Interlocked Steel Armor	2.20	1,653	600	3,000	3,000

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