

# Outdoor 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

- Works with all fiber bundle count from 2 to 72 (PEF & PVDF)
- High Performance black polyethylene (PE) tubes
- Ultra high performance tubing technology (MSOS)
- 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



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## PHYSICAL CHARACTERISTICS

PART NUMBER	DESCRIPTION	OUTSIDE DIAMETER (IN.)	MAX WEIGHT (LBS./KFT.)	MAX TENSILE LOAD (LBS.)	STD LENGTH	MAX LENGTH
TC01TOX	Water-Blocked, Dielectric Tube Cable; 1 Tube	0.53	59	200	3,000	3,000
TC02TOX	Water-Blocked, Dielectric Tube Cable; 2 Tubes	0.81	90	200	3,000	3,000
TC04TOD	Water-Blocked, Dielectric Tube Cable with CM; 4 Tubes	0.94	146	400	3,000	3,000
TC07TOX	Water-Blocked, Dielectric Tube Cable; 7 Tubes	1.14	203	400	3,000	3,000
TC12TOX	Water-Blocked, Dielectric Tube Cable; 12 Tubes	1.46	300	400	3,000	3,000
TC19TOX	Water-Blocked, Dielectric Tube Cable; 19 Tubes	1.77	444	500	3,000	3,000
TC24TOX	Water-Blocked, Dielectric Tube Cable; 24 Tubes	2.00	650	500	2,000	2,000
TC02TOX-2	Same as TC02TOX with jacketed interlocked steel armor.	1.20	490	500	3,000	3,000
TC04TOD-2	Same as TC04TOD with jacketed interlocked steel armor.	1.31	538	500	3,000	3,000
TC07TOX-2	Same as TC07TOX with jacketed interlocked steel armor.	1.50	874	600	3,000	3,000
TC12TOX-2	Same as TC12TOX with jacketed interlocked steel armor.	1.89	1,089	600	3,000	3,000
TC19TOX-2	Same as TC19TOX with jacketed interlocked steel armor.	2.10	1,653	600	3,000	3,000

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