

Tube Cables



TC02TOX



TC04TOD



TC19MSOS

Outdoor/All-Dielectric

Features

- All normal outdoor environments
- PE outer jacket
- Cable length markings at 2 foot intervals
- Tube ID numbers marked at 2 inch intervals
- Meets TIA standards

Applications

These 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 and TOD cables are ideal for duct installations or any dry-to-damp outdoor environment. The MSOS cables incorporate SEL's new ultra high-performance tubing technology and are ideal for aerial installations.

Specifications

Property	Specification
Operation Temperature Range	-60° to +158°F
Minimum Bend Radius (During/After Installation)	20/10 x cable diameter
Standard Reel Length*	1000 ft. (+40 ft./-0 ft.)

Physical Characteristics

Part Number	Description	No. of Tubes	Outside Diameter (in.)	Max. Weight (lbs./kft.)	Max. Tensile Load (lbs.)
TC02MSOS	Two ultra high-performance tubes wrapped with water-blocking tape and high-performance plastic jacket with four yellow extruded stripes.	2	0.9	90	200
TC02TOX	Two tubes wrapped with water-blocking tape and polyethylene jacket.	2	0.9	90	200
TC04MSOS	Four ultra high-performance tubes around a jacketed fiberglass central strength member, wrapped with water-blocking tape and high-performance plastic jacket with four yellow extruded stripes.	4	0.9	141	400
TC04TOD	Four tubes around a jacketed fiberglass central strength member, wrapped with water-blocking tape and polyethylene jacket.	4	0.9	146	400
TC07MSOS	Seven ultra high-performance tubes wrapped with water-blocking tape and high-performance plastic jacket with four yellow extruded stripes.	7	1.1	200	400
TC07TOX	Seven tubes wrapped with water-blocking tape and polyethylene jacket.	7	1.1	205	400
TC19MSOS	Nineteen ultra high-performance tubes wrapped with water-blocking tape and high-performance plastic jacket with four yellow extruded stripes.	19	1.7	400	500
TC19TOX	Nineteen tubes wrapped with water-blocking tape and polyethylene jacket.	19	1.7	444	500

* Note: Non-standard lengths can be manufactured upon request.

Tube Cables



TC07TLW-3



TC07TOX-3



TC19TLW-2



TC19TLW

Outdoor/Metallic

Features

- Dry tape waterblocked cable core
- Laminated aluminum polyethylene (LAP), interlocked or corrugated steel armor
- PE outer jacket
- Cable length markings at 2 foot intervals
- Tube ID numbers marked at 2 inch intervals
- Meets TIA standards

Applications

With its metallic protection, these multi-tube cables are primarily used for creating tube cable infrastructures in rugged and wet installations. They are ideal for duct or direct burial applications.

Specifications

Property	Specification
Operation Temperature Range	-60° to +158°F
Minimum Bend Radius (During/After Installation)	20/10 x cable diameter
Standard Reel Length*	1000 ft. (+40 ft./-0 ft.)
Metallic Elements	Grounding/bonding required

Physical Characteristics

Part Number	Description	No. of Tubes	Outside Diameter (in.)	Max. Weight (lbs./kft.)	Max. Tensile Load (lbs.)
TC07TLW	Seven tubes wrapped with water-blocking tape and LAP jacket. For maximum protection against water ingress.	7	1.1	223	400
TC07TLW-2	Same as TC07TLW with additional jacketed heavy-duty interlocked galvanized steel armor. Designed for extremely rugged environments. High crush resistance.	7	1.5	870	400
TC07TLW-3	Same as TC07TLW with additional jacketed corrugated steel tape armor for rodent protection. For maximum protection against water ingress.	7	1.3	479	400
TC07TOX-2	Same as TC07TOX with jacketed interlocked steel armor. Designed for extremely rugged environments. High crush resistance.	7	1.5	825	500
TC07TOX-3	Same as TC07TOX with jacketed corrugated steel armor for rodent protection.	7	1.4	438	500
TC19TLW	Nineteen tubes wrapped with water-blocking tape and LAP jacket. For maximum protection against water ingress.	19	1.8	463	500
TC19TLW-2	Same as TC19TLW with jacketed interlocked steel armor. Designed for extremely rugged environments. High crush resistance.	19	2.1	1,650	500
TC19TOX-2	Same as TC19TOX with jacketed interlocked steel armor. Designed for extremely rugged environments. High crush resistance.	19	2.1	1,150	500

* Note: Non-standard lengths can be manufactured upon request.