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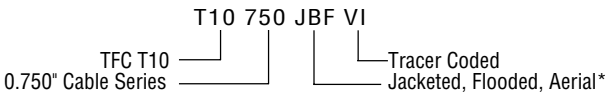


# SEMIFLEX CABLE DESCRIPTION LEGEND

T10 or TX10	1	2
	<b>1- Cable Series</b>	<b>2- Jacket Configuration</b>
	412 - 0.412" Cable Series	" " - Unjacketed
	500 - 0.500" Cable Series	VI - Unjacketed, Tracer Coded
	565 - 0.565" Cable Series	J - Jacketed
	625 - 0.625" Cable Series	JX - Jacketed, Extra Thick Jacket
	700 - 0.703" Cable Series	JXVI - Jacketed, Extra Thick Jacket, Tracer Coded
	750 - 0.750" Cable Series	JVI - Jacketed, Tracer Coded
	840 - 0.840" Cable Series	MS - Jacketed, Messengered
	875 - 0.875" Cable Series	JB - Jacketed, Flooded - Underground
	1000 - 1.000" Cable Series	JBX - Jacketed, Flooded - Underground, Extra Thick Jacket
	1160 - 1.160" Cable Series	JBXVI - Jacketed, Flooded - Underground, Extra Thick Jacket, Tracer Coded
		JBVI - Jacketed, Flooded - Underground, Tracer Coded
		JBF - Jacketed, Flooded - Aerial*
		JBFVI - Jacketed, Flooded - Aerial*, Tracer Coded
		JBA - Jacketed, Armored
		JBAVI - Jacketed, Armored, Tracer Coded
		V - NEC - Article 820, CATV (UL) Listed, Unjacketed
		SC - Solid Copper Inner Conductor

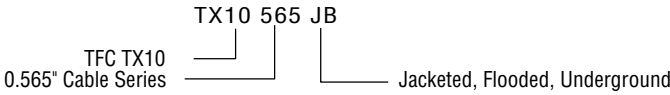
Example: MI 24714

Part Number T10750JBFVI



MI 25502

Part Number TX10565JB



\* Aerial Non-dripping flooding compound

## DETAILS OF CONSTRUCTION AND MATERIAL

### CENTER CONDUCTOR

Copper-clad aluminum or solid copper

### CONDUCTOR COATING

Proprietary polymer adhesive coating to provide moisture blocking, bonding the dielectric and enhancing foam structure stability.

### DIELECTRIC

Foamed polyethylene produced by gas injection in combination with proprietary nucleating agents and enhanced dimensional uniformity to meet 1 GHz requirements. Federal specifications LP-390 and ASTM D-1248 are applicable to the polyethylene prior to the foaming.

### FLOODING COMPOUNDS

#### • SELF-HEALING

Cold flowing, low molecular weight flooding compound for self-healing of jacket damage. Intended for underground installations.

#### • NON-FLOWING

Intended for aerial applications, non-dripping flooding compound.

### DIELECTRIC ADHESIVE COATING

Proprietary polymer adhesive coating to bond core to outer conductor for improved handling and strength characteristics in cold weather.

### OUTER CONDUCTOR

Seamless high purity electrical grade aluminum tube. (ASTM B-221).

### JACKET ADHESIVE

Proprietary non-residue polymer adhesive (Not used on cables with flooding compounds).

### ARMOR

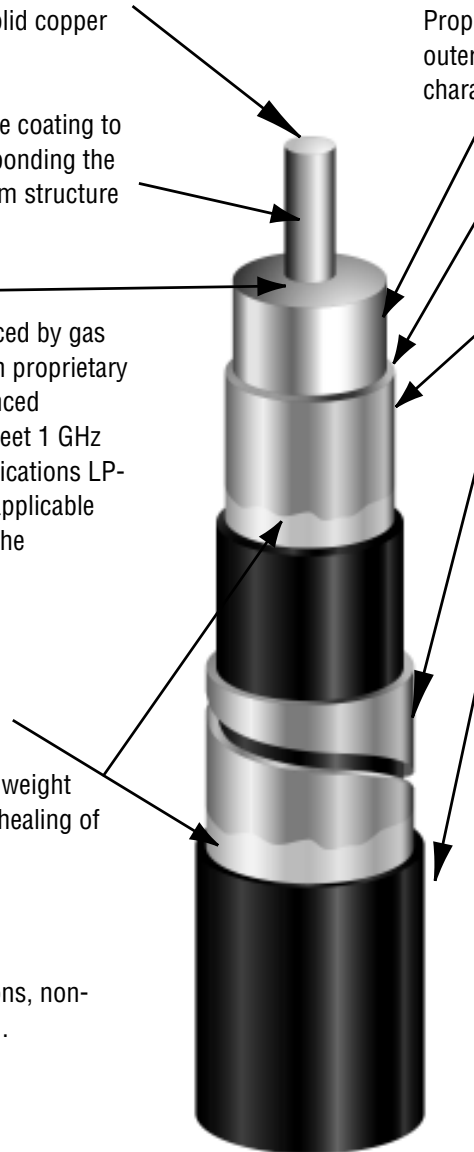
A 0.010 inch thick steel tape per SAE/AISI 1010 for steel.

### JACKET\*

Abrasion resistant, low coefficient of friction medium density black polyethylene (Federal Specification LP-390 and ASTM D-1248 jacketing material).

\* Sequential footage marking on outer jacket available upon request. Standard on underground, flooded cables.

Extra thick jacket is also available.



Not Shown:

**MESSENGER** •T10 Semiflex: Galvanized 0.109 inch (2.77mm) solid steel wire (ASTM A-326), galvanized 0.188 inch (4.78mm) or 0.250 inch (6.35 mm) stranded steel wire (ASTM A-475).

•TX10 Semiflex: Galvanized 0.188 inch (4.78mm) or 0.250 inch (6.35 mm) stranded wire (ASTM A-475).

Pictured: T10 Semiflex Cable, Armored, with flooding compound

### FEATURES AND BENEFITS

The T10 and TX10 Semiflex Cable Series offer a number of product features which enhance product performance and system operation.

#### BEND RADIUS

Both T10 and TX10 cables exhibit reduced bend radii to easily accommodate vault and pedestal placement. Refer to cable series data sheets for minimum bend radius specification.

#### BONDING

The bonded construction of semiflex cable begins at the center conductor to dielectric interface. Bonding serves as corrosion protection resulting from moisture ingress and facilitates stripping of the dielectric without leaving a harmful residue. Continuing from the dielectric to the outer conductor, controlled bonding provides adhesion strength to  $-40^{\circ}\text{C}$ , drastically reducing center conductor pull-outs due to extreme temperature changes. In addition, bonding improves handling and facilitates the use of standard connectors. Further bonding of the outer conductor to jacket prevents concealment of aluminum sheath damage, identifying problems before the cable is installed.

T10 and TX10 semiflex cables' unique bonded construction allows all components to operate together as a single unit. A fully bonded composite construction offers the benefits of increased pull strength and resistance to possible sidewall pressure damage during installation. Triple bonding also solves the instances of connector pull-outs, further reducing cable service problems after installation.

#### FLOODING COMPOUND

Flooding compounds come in a cold flowing, self-healing form for underground installations and a non-dripping aerial application form. Flooding compounds are used as an additional layer of corrosion protection.

Where greater protection is required, Times offers an armored construction. A flooded steel tape and jacket are layered over the standard flooded jacketed cable, increasing mechanical strength necessary for rodent protection and rocky soil.

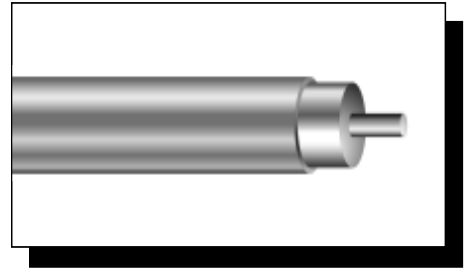
#### 1 GHz BANDWIDTH

T10 and TX10 are the only cables which are specified to consistently sweep to 1 GHz. Specifying 1 GHz bandwidth for rebuilds, upgrades or new plant allows a system to handle future increasing capacity needs demanded by more channels, higher definition television and other emerging technologies.



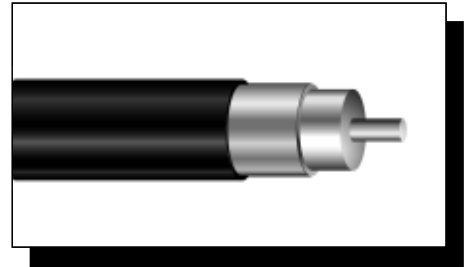
## UNJACKETED

Application: Recommended for aerial installations in a non-corrosive environment, unjacketed semiflex cable features bonding of the center conductor to the dielectric and dielectric to the outer conductor. This bonding prevents moisture ingress and facilitates connectorization since it leaves no harmful residue.



## JACKETED

Application: For aerial applications in urban and coastal environments, Jacketed semiflex cable is recommended where highly corrosive conditions may exist. This cable features a triple bonding of the center conductor to the dielectric, dielectric to the outer conductor and outer conductor to the jacket and is designed to withstand more abrasion and mechanical abuse than an unjacketed version. With an extra thick jacket, this cable will withstand more abrasion and mechanical abuse than the standard jacketed burial cable.



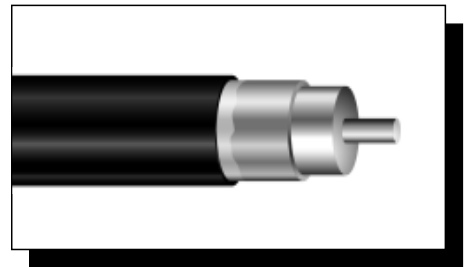
## MESSENGERED

Application: Messengered semiflex cable is recommended for aerial feeder installations where strand installation is not practical. T10412 and T10500 semiflex cable is designed with a strong, integral, galvanized solid steel wire which supports the cable in aerial installations. TX10625 and TX10565 semiflex cable features a jacketed galvanized stranded steel wire which also acts as a support, relieving the cable from undue tension. Resting ladders on messengered cable is not recommended.



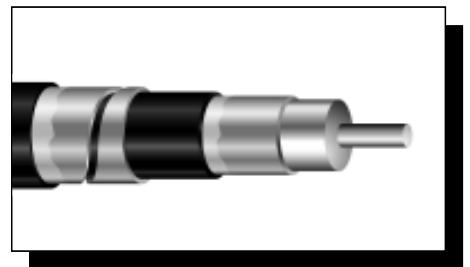
## JACKETED BURIAL

Application: Jacketed Burial semiflex cable is recommended for underground applications in conduit or direct burial installations. This version features a cold flowing, self-healing flooding compound for underground applications, providing an additional layer of corrosion protection. For aerial applications, non-dripping flooding compound is used which also serves as an additional layer of corrosion protection.



## ARMORED

Application: Where cable is exposed to extensive mechanical abuse and rodent attack, armored semiflex cable is recommended. Used for direct burial applications, Armored semiflex cable features a flooded steel tape and jacket which are layered over the standard flooded jacketed cable to increase mechanical strength.

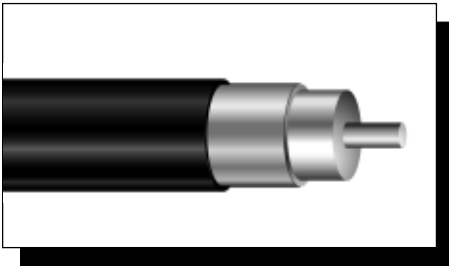


## PART NUMBERS

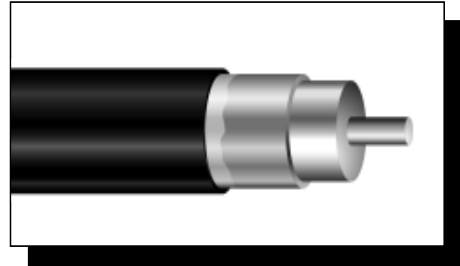
CONSTRUCTION	CENTER CONDUCTOR	
	Copper-Clad Aluminum	
	Part Number	MI Number
Unjacketed	T10412	24400
Unjacketed, Tracer Coded	T10412VI	24410
Jacketed	T10412J	24401
Jacketed, Extra Thick Jacket	T10412JX	24406
Jacketed, Extra Thick Jacket, Tracer Coded	T10412JXVI	24416
Jacketed, Tracer Coded	T10412JVI	24411
Jacketed Messengered	T10412MS	24405
Jacketed Flooded, Underground	T10412JB	24402
Jacketed Flooded, Underground, Extra Thick Jacket	T10412JBX	24407
Jacketed Flooded, Underground, Extra Thick Jacket, Tracer Coded	T10412JBXVI	24417
Jacketed Flooded, Underground, Tracer Coded	T10412JBVI	24412
Jacketed Flooded, Aerial*	T10412JBF	24404
Jacketed Flooded, Aerial,* Tracer Coded	T10412JBFVI	24414
Jacketed Armored	T10412JBA	24403
Jacketed Armored, Tracer Coded	T10412JBAVI	24413
<b>NEC - Article 820, CATV</b> (UL) Listed, Unjacketed	T10412V	24400V

\*Used for aerial applications due to non-flowing, non-dripping compound.

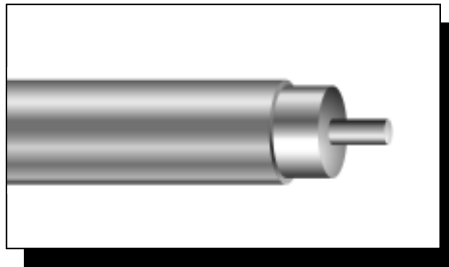
**Note:** Standard colored tracer stripes are red, yellow, green, blue, white, and slate. For other color combinations, please contact a customer service representative or your area sales representative.



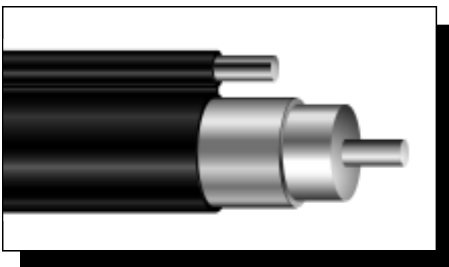
**Jacketed**



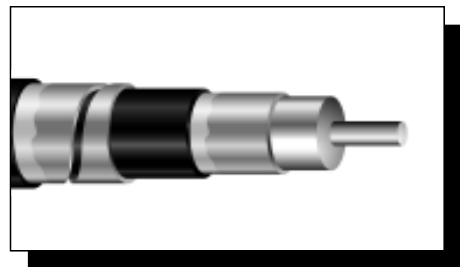
**Jacketed Burial**



**Unjacketed**



**Messengered**



**Armored**