

# T10 875 SERIES SEMIFLEX CABLE

TIMES FIBER COMMUNICATIONS, INC.®  
1-800-677-2288

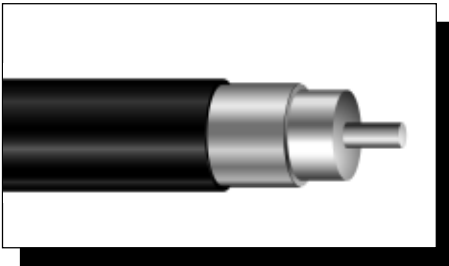


## PART NUMBERS

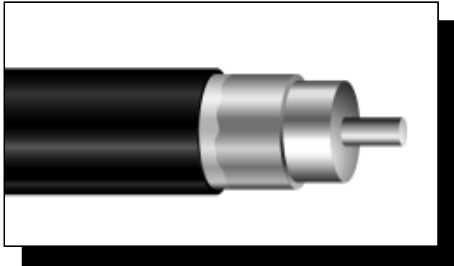
CONSTRUCTION	CENTER CONDUCTOR	
	Copper-Clad Aluminum	
	Part Number	MI Number
Unjacketed	T10875	24800
Unjacketed, Tracer Coded	T10875VI	24810
Jacketed	T10875J	24801
Jacketed, Extra Thick Jacket	T10875JX	24806
Jacketed, Extra Thick Jacket, Tracer Coded	T10875JXVI	24816
Jacketed, Tracer Coded	T10875JVI	24811
Jacketed Messengered	T10875MS	24805
Jacketed Flooded, Underground	T10875JB	24802
Jacketed Flooded, Underground, Extra Thick Jacket	T10875JBX	24807
Jacketed Flooded, Underground, Extra Thick Jacket, Tracer Coded	T10875JBXVI	24817
Jacketed Flooded, Underground, Color Coded	T10875JBVI	24812
Jacketed Flooded, Aerial*	T10875JBF	24804
Jacketed Flooded, Aerial,* Tracer Coded	T10875JBFVI	24814
Jacketed Armored	T10875JBA	24803
Jacketed Armored, Tracer Coded	T10875JBAVI	24813
NEC - Article 820, CATV (UL) Listed, Unjacketed	T10875V	24800V

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

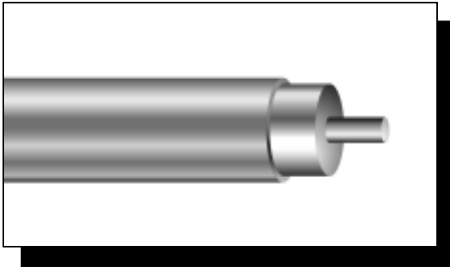
**Note:** Standard colored tracer stripes are red, yellow, green, blue, white, and slate. For other color combinations, please contact a customer service representative or your area sales representative.



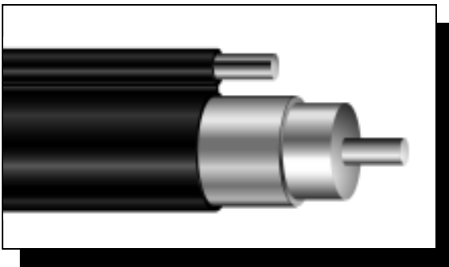
Jacketed



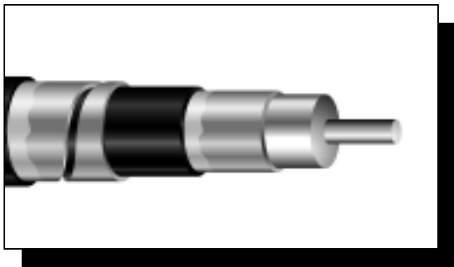
Jacketed Burial



Unjacketed



Messengered



Armored



# 875 SERIES SEMIFLEX CABLE

# T10

## PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	UNJACKETED*		JACKETED		EXTRA THICK JACKET		MESSENGERED		JACKETED BURIAL		EXTRA THICK JACKETED BURIAL		ARMORED	
	inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)
Conductor	0.194	(4.93)	0.194	(4.93)	0.194	(4.93)	0.194	(4.93)	0.194	(4.93)	0.194	(4.93)	0.194	(4.93)
Dielectric	0.797	(20.2)	0.797	(20.2)	0.797	(20.2)	0.797	(20.2)	0.797	(20.2)	0.797	(20.2)	0.797	(20.2)
Outer Conductor Thickness	0.039	(0.99)	0.039	(0.99)	0.039	(0.99)	0.039	(0.99)	0.039	(0.99)	0.039	(0.99)	0.039	(0.99)
Outer Conductor Diameter	0.875	(22.2)	0.875	(22.2)	0.875	(22.2)	0.875	(22.2)	0.875	(22.2)	0.875	(22.2)	0.875	(22.2)
First Jacket	—	—	0.945	(24.0)	1.005	(25.5)	0.975	(24.8)	0.955	(24.3)	1.015	(25.8)	0.955	(24.3)
Messenger	—	—	—	—	—	—	0.250	(6.35)	—	—	—	—	—	—
Armor	—	—	—	—	—	—	—	—	—	—	—	—	0.975	(24.8)
Second Jacket	—	—	—	—	—	—	—	—	—	—	—	—	1.075	(27.3)
Nominal Weight (lb/1000 ft) (kg/km)	227	(338)	268	(399)	306	(455)	442	(658)	274	(408)	312	(464)	432	(643)
Nominal Weight (per reel) lb (kg)	800	(363)	901	(409)	994	(451)	1569	(712)	916	(415)	1010	(458)	1364	(619)
Nominal Length (per reel) feet (m)	2450	(747)	2450	(747)	2450	(747)	2450	(747)	2450	(747)	2450	(747)	2450	(747)
Maximum Pull Force lbf (N)	875	(3892)	875	(3892)	875	(3892)	3325	(14790)	875	(3892)	875	(3892)	875	(3892)
Minimum Bend Radius in (mm)	8.0	(203)	7.0	(178)	7.0	(178)	8.0	(203)	8.0	(203)	8.0	(203)	15.0	(381)
Messenger Break Strength lbf (N)	—	—	—	—	—	—	6650	(29581)	—	—	—	—	—	—
Reel Size (inches) (Flange x Width) <sup>1</sup>	57 x 28		57 x 28		57 x 28		72 x 30		57 x 28		57 x 28		63 x 30	
Reel Size (centimeters) (Flange x Width) <sup>1</sup>	145 x 71		145 x 71		145 x 71		183 x 76		145 x 71		145 x 71		160 x 76	

\* All T10 Unjacketed Cable is available rated per **NEC Article 820 - CATV** (UL).

<sup>1</sup> Width = outside flange to outside flange

## ELECTRICAL SPECIFICATIONS

Nominal DC Resistance @ 68°F (20°C)	Ohms per 1000	
Copper-Clad Aluminum Center Conductor	feet	meters
Center Conductor	0.42	1.38
Outer Conductor	0.13	0.43
Loop	0.55	1.80
<b>Nominal Capacitance</b>	15.6 pF/ft (51.2 pF/m)	
<b>Impedance</b>	75 ± 2 Ohms	
<b>Velocity of Propagation</b>	87% nominal	

## MAXIMUM ATTENUATION @ 68°F (20°C)

Frequency MHz	dB per 100 feet	dB per 100 meters
5	0.09	0.30
55	0.32	1.04
211	0.64	2.09
250	0.70	2.31
270	0.73	2.40
300	0.78	2.56
330	0.82	2.68
350	0.84	2.76
400	0.91	2.99
450	0.97	3.18
500	1.03	3.38
550	1.09	3.58
600	1.14	3.74
750	1.29	4.23
870	1.41	4.63
1000	1.53	5.02

Attenuation increases with increasing temperature and decreases with decreasing temperature at the rate of 0.1% / °F (0.18% / °C)