

T10 500 SERIES SEMIFLEX CABLE

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

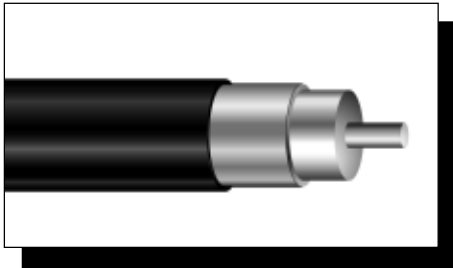


PART NUMBERS

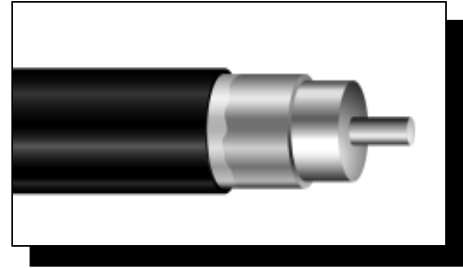
CONSTRUCTION	CENTER CONDUCTOR	
	Copper-Clad Aluminum	
	Part Number	MI Number
Unjacketed	T10500	24500
Unjacketed, Tracer Coded	T10500VI	24510
Jacketed	T10500J	24501
Jacketed, Extra Thick Jacket	T10500JX	24506
Jacketed, Extra Thick Jacket, Tracer Coded	T10500JXVI	24516
Jacketed, Tracer Coded	T10500JVI	24511
Jacketed Messengered	T10500MS	24505
Jacketed Flooded, Underground	T10500JB	24502
Jacketed Flooded, Underground, Extra Thick Jacket	T10500JBX	24507
Jacketed Flooded, Underground, Extra Thick Jacket, Tracer Coded	T10500JBXVI	24517
Jacketed Flooded, Underground, Tracer Coded	T10500JBVI	24512
Jacketed Flooded, Aerial*	T10500JBF	24504
Jacketed Flooded, Aerial,* Tracer Coded	T10500JBFVI	24514
Jacketed Armored	T10500JBA	24503
Jacketed Armored, Tracer Coded	T10500JBVI	24513
NEC - Article 820, CATV (UL) Listed, Unjacketed	T10500V	24500V

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

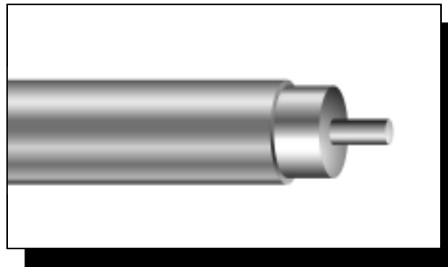
Note: Standard colored tracer stripes are red, yellow, green, blue, white, and slate. For other color combinations, please contact a customer service representative or your area sales representative.



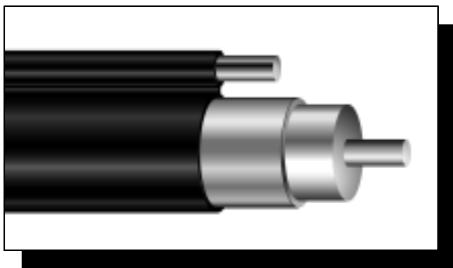
Jacketed



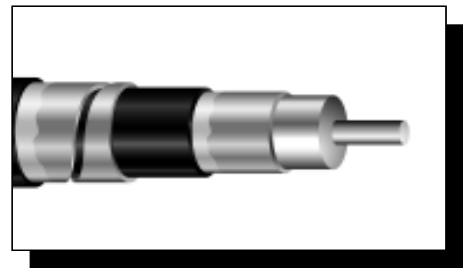
Jacketed Burial



Unjacketed



Messengered



Armored



500 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	0.109	(2.77)	0.109	(2.77)	0.109	(2.77)	0.109	(2.77)	0.109	(2.77)	0.109	(2.77)	0.109	(2.77)
Dielectric	0.450	(11.4)	0.450	(11.4)	0.450	(11.4)	0.450	(11.4)	0.450	(11.4)	0.450	(11.4)	0.450	(11.4)
Outer Conductor Thickness	0.025	(0.64)	0.025	(0.64)	0.025	(0.64)	0.025	(0.64)	0.025	(0.64)	0.025	(0.64)	0.025	(0.64)
Outer Conductor Diameter	0.500	(12.7)	0.500	(12.7)	0.500	(12.7)	0.500	(12.7)	0.500	(12.7)	0.500	(12.7)	0.500	(12.7)
First Jacket	—	—	0.560	(14.2)	0.630	(16.0)	0.580	(14.7)	0.570	(14.5)	0.640	(16.3)	0.570	(14.5)
Messenger	—	—	—	—	—	—	0.109	(2.77)	—	—	—	—	—	—
Armor	—	—	—	—	—	—	—	—	—	—	—	—	0.590	(15.0)
Second Jacket	—	—	—	—	—	—	—	—	—	—	—	—	0.690	(17.5)
Nominal Weight (lb/1000 ft) (kg/km)	78	(116)	99	(147)	126	(188)	154	(229)	103	(153)	130	(193)	199	(296)
Nominal Weight (per reel) lb (kg)	269	(122)	319	(145)	409	(186)	479	(217)	328	(149)	419	(190)	588	(267)
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)	300	(1334)	300	(1334)	300	(1334)	900	(4003)	300	(1334)	300	(1334)	300	(1334)
Minimum Bend Radius in (mm)	4.0	(102)	3.5	(89)	3.5	(89)	4.0	(102)	4.0	(102)	4.0	(102)	9.7	(246)
Messenger Break Strength lbf (N)	—	—	—	—	—	—	1800	(8007)	—	—	—	—	—	—
Reel Size (inches) (Flange x Width) ¹	36 x 22		36 x 22		42 x 22		42 x 22		36 x 22		42 x 22		42 x 22	
Reel Size (centimeters) (Flange x Width) ¹	91 x 56		91 x 56		107 x 56		107 x 56		91 x 56		107 x 56		107 x 56	

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

¹Width = 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	1.34	4.40
Outer Conductor	0.36	1.18
Loop	1.70	5.58
Nominal Capacitance	15.6 pF/ft (51.2 pF/m)	
Impedance	75 ± 2 Ohms	
Velocity of Propagation	87% nominal	

MAXIMUM ATTENUATION @ 68°F (20°C)

Frequency MHz	dB per 100 feet	dB per 100 meters
5	0.16	0.52
55	0.55	1.80
211	1.08	3.55
250	1.19	3.92
270	1.24	4.07
300	1.31	4.30
330	1.38	4.54
350	1.43	4.69
400	1.53	5.02
450	1.63	5.35
500	1.73	5.68
550	1.82	5.97
600	1.91	6.27
750	2.16	7.09
870	2.35	7.69
1000	2.53	8.30

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