



TIMES FIBER COMMUNICATIONS, INC.

# T10 Semiflex Cable - 500 & 625



969 Horsham Road

Horsham, Pennsylvania 19044 USA

## 500 Series Semiflex Cable

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	T10500JBAVI	24513
NEC - Article 820, CATV (UL) Listed, Unjacketed	T10500V	24500V

## 625 Series Semiflex Cable

PART NUMBERS		
CONSTRUCTION	CENTER CONDUCTOR	
	Copper-Clad Aluminum	
	Part Number	MI Number
Unjacketed	T10625	24600
Unjacketed, Tracer Coded	T10625VI	24610
Jacketed	T10625J	24601
Jacketed, Extra Thick Jacket	T10625JX	24606
Jacketed, Extra Thick Jacket, Tracer Coded	T10625JXVI	24616
Jacketed, Tracer Coded	T10625JVI	24611
Jacketed Messengered	T10625MS	24605
Jacketed Flooded, Underground	T10625JB	24602
Jacketed Flooded, Underground, Extra Thick Jacket	T10625JBX	24607
Jacketed Flooded, Underground, Extra Thick Jacket, Tracer Coded	T10625JBXVI	24617
Jacketed Flooded, Underground, Tracer Coded	T10625JBVI	24612
Jacketed Flooded, Aerial*	T10625JBF	24604
Jacketed Flooded, Aerial, *Tracer Coded	T10625JBFVI	24614
Jacketed Armored	T10625JBA	24603
Jacketed Armored, Tracer Coded	T10625JBAVI	24613
NEC - Article 820, CATV (UL) Listed, Unjacketed	T10625V	24600V

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

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

T10 Semiflex Cable - 500 & 625

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# 500 Series Semiflex Cable

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) <sup>1</sup>	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) <sup>1</sup>	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).

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

# 625 Series Semiflex Cable

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	0.136	(3.45)	0.136	(3.45)	0.136	(3.45)	0.136	(3.45)	0.136	(3.45)	0.136	(3.45)	0.136	(3.45)	
Dielectric	0.563	(14.3)	0.563	(14.3)	0.563	(14.3)	0.563	(14.3)	0.563	(14.3)	0.563	(14.3)	0.563	(14.3)	
Outer Conductor Thickness	0.031	(0.79)	0.031	(0.79)	0.031	(0.79)	0.031	(0.79)	0.031	(0.79)	0.031	(0.79)	0.031	(0.79)	
Outer Conductor Diameter	0.625	(15.9)	0.625	(15.9)	0.625	(15.9)	0.625	(15.9)	0.625	(15.9)	0.625	(15.9)	0.625	(15.9)	
First Jacket	—	—	0.685	(17.4)	0.755	(19.2)	0.705	(17.9)	0.695	(17.7)	0.765	(19.4)	0.695	(17.7)	
Messenger	—	—	—	—	—	—	0.188	(4.78)	—	—	—	—	—	—	
Armor	—	—	—	—	—	—	—	—	—	—	—	—	—	0.715	(18.2)
Second Jacket	—	—	—	—	—	—	—	—	—	—	—	—	—	0.815	(20.7)
Nominal Weight (lb/1000 ft) (kg/km)	122	(182)	147	(219)	180	(268)	249	(371)	151	(225)	185	(275)	268	(399)	
Nominal Weight (per reel) lb (kg)	399	(181)	461	(209)	587	(266)	758	(344)	472	(214)	599	(272)	803	(364)	
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)	475	(2113)	475	(2113)	475	(2113)	1995	(8874)	475	(2113)	475	(2113)	475	(2113)	
Minimum Bend Radius in (mm)	5.0	(127)	4.5	(114)	4.5	(114)	5.0	(127)	5.0	(127)	5.0	(127)	11.4	(290)	
Messenger Break Strength lbf (N)	—	—	—	—	—	—	3990	(17748)	—	—	—	—	—	—	
Reel Size (inches) (Flange x Width) <sup>1</sup>	42 x 22		42 x 22		48 x 28		50 x 28		42 x 22		48 x 28		48 x 28		
Reel Size (cm) (Flange x Width) <sup>1</sup>	107 x 56		107 x 56		122 x 71		127 x 71		107 x 56		122 x 71		122 x 71		

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

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

## 500 Series

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		

## 625 Series

ELECTRICAL SPECIFICATIONS			
Nominal DC Resistance @ 68°F (20°C)	Ohms per 1000		
Copper-Clad Aluminum Center Conductor	feet	meters	
Center Conductor	0.86	2.82	
Outer Conductor	0.23	0.75	
Loop	1.09	3.58	
Nominal Capacitance	15.6 pF/ft (51.2 pF/m)		
Impedance	75 ± 2 Ohms		
Velocity of Propagation	87% nominal		

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Specifications Subject To Change Without Notice.

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