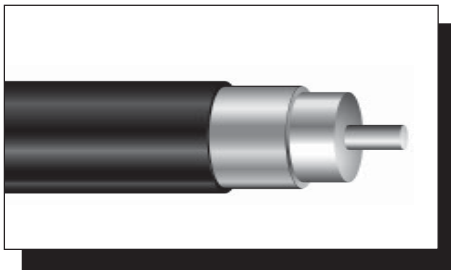


PART NUMBERS

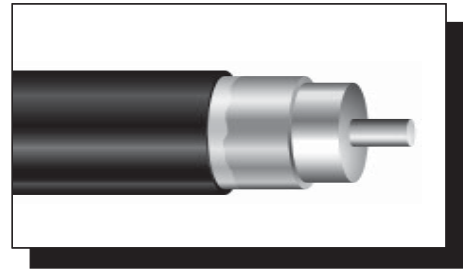
CONSTRUCTION	CENTER CONDUCTOR
	Copper-Clad Aluminum
	Part Number
Unjacketed	T10500
Unjacketed, Tracer Coded	T10500VI
Jacketed	T10500J
Jacketed, Extra Thick Jacket	T10500JX
Jacketed, Extra Thick Jacket, Tracer Coded	T10500JXVI
Jacketed, Tracer Coded	T10500JVI
Jacketed Messengered	T10500MS
Jacketed Flooded, Underground	T10500JB
Jacketed Flooded, Underground, Extra Thick Jacket	T10500JBX
Jacketed Flooded, Underground, Extra Thick Jacket, Tracer Coded	T10500JBXVI
Jacketed Flooded, Underground, Tracer Coded	T10500JBVI
Jacketed Flooded, Aerial*	T10500JBF
Jacketed Flooded, Aerial,* Tracer Coded	T10500JBFVI
Jacketed Armored	T10500JBA
Jacketed Armored, Tracer Coded	T10500JBAVI
NEC - Article 820, CATV Listed, Unjacketed	T10500V

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

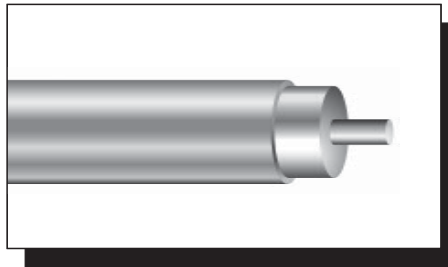
Note: Standard colored tracer stripes are red, yellow, green, blue, white, and slate. For other color combinations, please contact a customer service representative or your area sales representative.



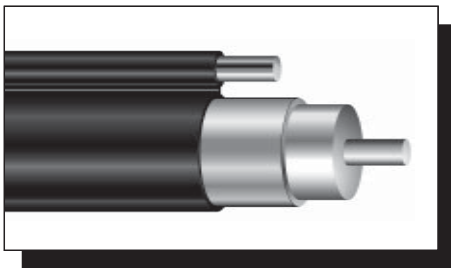
Jacketed



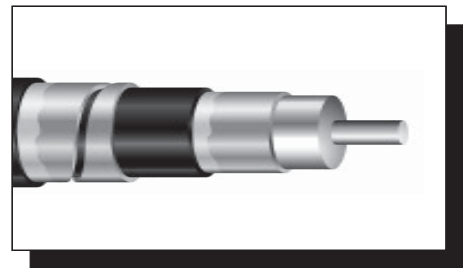
Jacketed Burial



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/kt) (kg/km) ¹	78	(116)	99	(147)	126	(188)	154	(229)	103	(153)	130	(193)	199	(296)
Nominal Weight (per reel) lb (kg) ²	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) ³	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) ³	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**

¹cable minus reel, ² cable plus reel, ³ Width is 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)

Specifications subject to change without notice.

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.