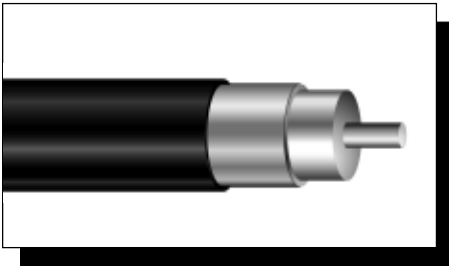


PART NUMBERS

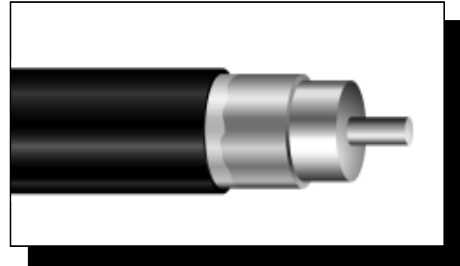
CONSTRUCTION	CENTER CONDUCTOR	
	Copper-Clad Aluminum	
	Part Number	MI Number
Unjacketed	T10412	24400
Unjacketed, Tracer Coded	T10412VI	24410
Jacketed	T10412J	24401
Jacketed, Extra Thick Jacket	T10412JX	24406
Jacketed, Extra Thick Jacket, Tracer Coded	T10412JXVI	24416
Jacketed, Tracer Coded	T10412JVI	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
NEC - Article 820, CATV (UL) Listed, Unjacketed	T10412V	24400V

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

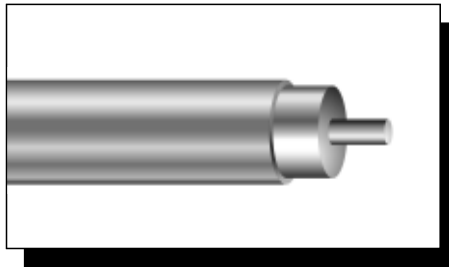
Note: Standard colored tracer stripes are red, yellow, green, blue, white, and slate. For other color combinations, please contact a customer service representative or your area sales representative.



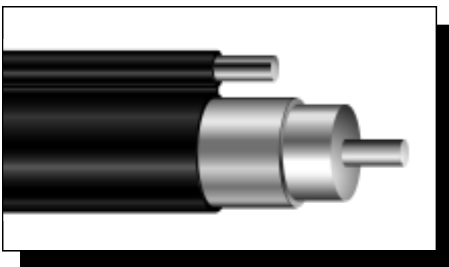
Jacketed



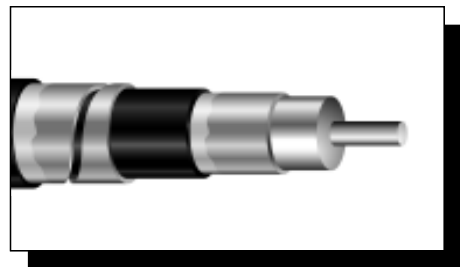
Jacketed Burial



Unjacketed



Messengered



Armored



412 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	0.088	(2.24)	0.088	(2.24)	0.088	(2.24)	0.088	(2.24)	0.088	(2.24)	0.088	(2.24)	0.088	(2.24)
Dielectric	0.362	(9.19)	0.362	(9.19)	0.362	(9.19)	0.362	(9.19)	0.362	(9.19)	0.362	(9.19)	0.362	(9.19)
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	0.412	(10.5)	0.412	(10.5)	0.412	(10.5)	0.412	(10.5)	0.412	(10.5)	0.412	(10.5)	0.412	(10.5)
First Jacket	—	—	0.470	(11.9)	0.542	(13.8)	0.480	(12.2)	0.480	(12.2)	0.552	(14.0)	0.480	(12.2)
Messenger	—	—	—	—	—	—	0.109	(2.77)	—	—	—	—	—	—
Armor	—	—	—	—	—	—	—	—	—	—	—	—	0.500	(12.7)
Second Jacket	—	—	—	—	—	—	—	—	—	—	—	—	0.600	(15.2)
Nominal Weight (lb/1000 ft) (kg/km)	58	(86)	75	(112)	98	(146)	126	(188)	78	(116)	102	(152)	159	(237)
Nominal Weight (per reel) lb (kg)	252	(114)	301	(137)	372	(169)	479	(217)	310	(141)	382	(173)	577	(262)
Nominal Length (per reel) feet (m)	3000	(914)	3000	(914)	3000	(914)	3000	(914)	3000	(914)	3000	(914)	3000	(914)
Maximum Pull Force lbf (N)	250	(1112)	250	(1112)	250	(1112)	900	(4003)	250	(1112)	250	(1112)	250	(1112)
Minimum Bend Radius in (mm)	3.0	(76)	2.5	(64)	2.5	(64)	3.0	(76)	3.0	(76)	3.0	(76)	8.4	(213)
Messenger Break Strength lbf (N)	—	—	—	—	—	—	1800	(8007)	—	—	—	—	—	—
Reel Size (inches) (Flange x Width) ¹	36 x 22		36 x 22		36 x 22		42 x 22		36 x 22		36 x 22		42 x 22	
Reel Size (centimeters) (Flange x Width) ¹	91 x 56		91 x 56		91 x 56		107 x 56		91 x 56		91 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	2.06	6.76
Outer Conductor	0.44	1.44
Loop	2.50	8.20
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	0.20	0.66
55	0.68	2.24
211	1.35	4.44
250	1.49	4.89
270	1.55	5.09
300	1.64	5.38
330	1.73	5.66
350	1.78	5.84
400	1.91	6.27
450	2.03	6.66
500	2.15	7.05
550	2.26	7.41
600	2.37	7.78
750	2.68	8.79
870	2.90	9.52
1000	3.13	10.27

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