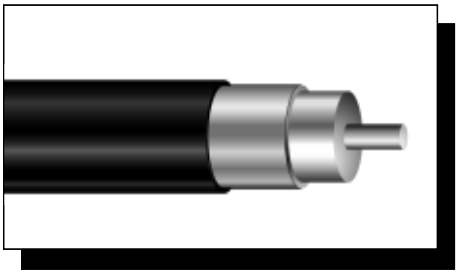
TX10 700 SERIES SEMIFLEX CABLE

PART NUMBERS

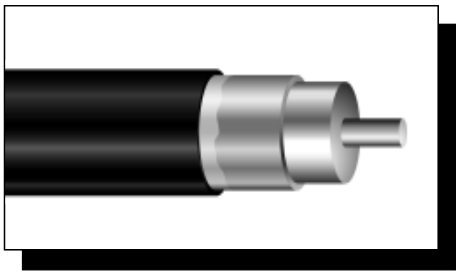
CONSTRUCTION	CENTER CONDUCTOR Copper-Clad Aluminum Part Number	MI Number
Jacketed	TX10700J	25701
Jacketed, Tracer Coded	TX10700JVI	25711
Jacketed Messengered	TX10700MS	25705
Jacketed Flooded, Underground	TX10700JB	25702
Jacketed Flooded, Underground, Extra Thick Jacket	TX10700JBX	25707
Jacketed Flooded, Underground, Extra Thick Jacket, Tracer Coded	TX10700JBXVI	25717
Jacketed Flooded, Underground, Tracer Coded	TX10700JBVI	25712
Jacketed Flooded, Aerial*	TX10700JBF	25704
Jacketed Flooded, Aerial,* Tracer Coded	TX10700JBFVI	25714
Jacketed Armored	TX10700JBA	25703
Jacketed Armored, Tracer Coded	TX10700JBAVI	25713

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

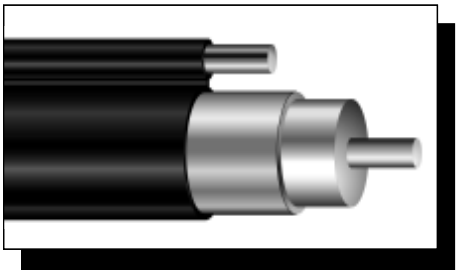
Note: Standard colored tracer stripes are red, yellow, green, blue, white, and slate. For other color combinations, please contact a customer service representative or your area sales representative.



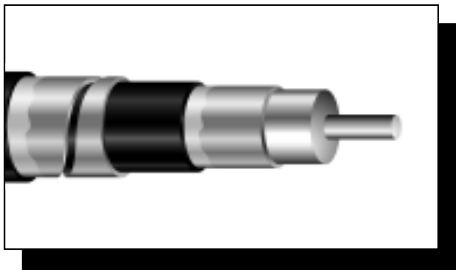
Jacketed



Jacketed Burial



Messengered



Armored

700 SERIES SEMIFLEX CABLE TX 10

PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	JACKETED		JACKETED MESSENGERED		JACKETED BURIAL		EXTRA THICK JACKETED BURIAL		ARMORED	
	inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)
Conductor	0.163	(4.14)	0.163	(4.14)	0.163	(4.14)	0.163	(4.14)	0.163	(4.14)
Dielectric	0.653	(16.6)	0.653	(16.6)	0.653	(16.6)	0.653	(16.6)	0.653	(16.6)
Outer Conductor Thickness	0.025	(0.64)	0.025	(0.64)	0.025	(0.64)	0.025	(0.64)	0.025	(0.64)
Outer Conductor Diameter	0.703	(17.9)	0.703	(17.9)	0.703	(17.9)	0.703	(17.9)	0.703	(17.9)
First Jacket	0.765	(19.4)	0.783	(19.9)	0.775	(19.7)	0.843	(21.4)	0.775	(19.7)
Messenger	—	—	0.188	(4.78)	—	—	—	—	—	—
Armor	—	—	—	—	—	—	—	—	0.795	(20.2)
Second Jacket	—	—	—	—	—	—	—	—	0.885	(22.5)
Nominal Weight (lb/1000 ft) (kg/km)	152	(226)	254	(378)	157	(234)	193	(287)	280	(417)
Nominal Weight (per reel) lb (kg)	528	(239)	811	(368)	540	(245)	631	(286)	850	(386)
Nominal Length (per reel) feet (m)	2500	(762)	2500	(762)	2500	(762)	2500	(762)	2500	(762)
Maximum Pull Force lbf (N)	500	(2224)	1995	(8874)	500	(2224)	500	(2224)	500	(2224)
Minimum Bend Radius in (mm)	6.5	(165)	6.5	(165)	10.0	(254)	10.0	(254)	13.0	(330)
Messenger Break Strength lbf (N)	—	—	3990	(17748)	—	—	—	—	—	—
Reel Size (inches) (Flange x Width)[1]	48 x 28		54 x 28		48 x 28		50 x 28		50 x 28	
Reel Size (centimeters) (Flange x Width)[1]	122 x 71		137 x 71		122 x 71		127 x 71		127 x 71	

[1] 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	0.60	1.97
Outer Conductor	0.25	0.82
Loop	0.85	2.79
Nominal Capacitance	15.2 pF/ft (49.9 pF/m)	
Impedance	75 ± 2 Ohms	
Velocity of Propagation	89% nominal	

MAXIMUM ATTENUATION @ 68°F (20°C)

Frequency MHz	dB per 100 feet	dB per 100 meters
5	0.11	0.36
55	0.37	1.21
211	0.74	2.43
250	0.82	2.68
270	0.87	2.85
300	0.90	2.95
330	0.95	3.11
350	0.98	3.21
400	1.05	3.44
450	1.12	3.67
500	1.19	3.90
550	1.25	4.10
600	1.31	4.30
750	1.49	4.89
870	1.62	5.31
1000	1.75	5.74

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