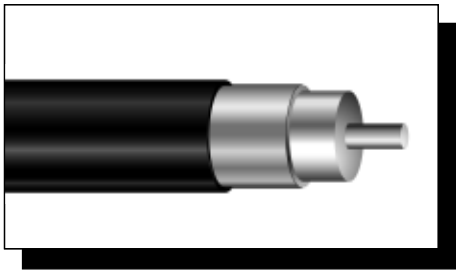
TX10 840 SERIES SEMIFLEX CABLE

PART NUMBERS

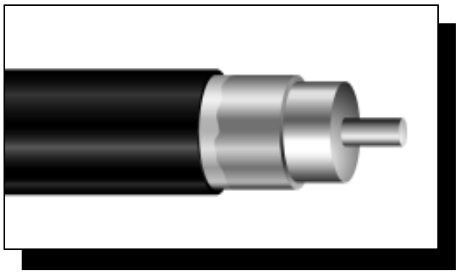
CONSTRUCTION	CENTER CONDUCTOR Copper-Clad Aluminum	
	Part Number	MI Number
Jacketed	TX10840J	25801
Jacketed, Tracer Coded	TX10840JVI	25811
Jacketed Messengered	TX10840MS	25805
Jacketed Flooded, Underground	TX10840JB	25802
Jacketed Flooded, Underground, Extra Thick Jacket	TX10840JBX	25807
Jacketed Flooded, Underground, Extra Thick Jacket, Tracer Coded	TX10840JBXVI	25817
Jacketed Flooded, Underground, Tracer Coded	TX10840JBVI	25812
Jacketed Flooded, Aerial*	TX10840JBF	25804
Jacketed Flooded, Aerial,* Tracer Coded	TX10840JBFVI	25814
Jacketed Armored	TX10840JBA	25803
Jacketed Armored, Tracer Coded	TX10840JBAVI	25813

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

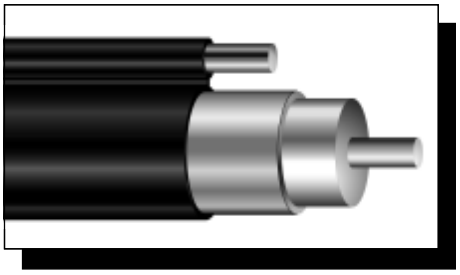
Note: Standard colored tracer stripes are red, yellow, green, blue, white, and slate. For other color combinations, please contact a customer service representative or your area sales representative.



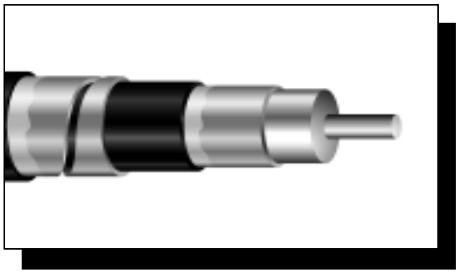
Jacketed



Jacketed Burial



Messengered



Armored

840 SERIES SEMIFLEX CABLE TX 10

PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	JACKETED		MESSENGERED		JACKETED BURIAL		EXTRA THICK JACKETED BURIAL		ARMORED	
	inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)
Conductor	0.194	(4.93)	0.194	(4.93)	0.194	(4.93)	0.194	(4.93)	0.194	(4.93)
Dielectric	0.780	(19.8)	0.780	(19.8)	0.780	(19.8)	0.780	(19.8)	0.780	(19.8)
Outer Conductor Thickness	0.030	(0.76)	0.030	(0.76)	0.030	(0.76)	0.030	(0.76)	0.030	(0.76)
Outer Conductor	0.840	(21.3)	0.840	(21.3)	0.840	(21.3)	0.840	(21.3)	0.840	(21.3)
First Jacket	0.910	(23.1)	0.940	(23.9)	0.920	(23.4)	0.980	(24.9)	0.920	(23.4)
Messenger	—	—	0.250	(6.35)	—	—			—	—
Armor	—	—	—	—	—	—			0.940	(23.9)
Second Jacket	—	—	—	—	—	—			1.040	(26.4)
Nominal Weight (lb/1000 ft) (kg/km)	214	(318)	388	(577)	220	(327)	257	(382)	372	(554)
Nominal Weight (per reel) lb (kg)	769	(349)	1437	(652)	783	(355)	936	(425)	1218	(552)
Nominal Length (per reel) feet (m)	2450	(747)	2450	(747)	2450	(747)	2450	(747)	2450	(747)
Maximum Pull Force lbf (N)	700	(3114)	3325	(14790)	700	(3114)	700	(3114)	700	(3114)
Minimum Bend Radius in (mm)	7.5	(191)	7.5	(191)	12.5	(318)	12.5	(318)	15.0	(381)
Messenger Break Strength lbf (N)	—	—	6650	(29581)	—	—			—	—
Reel Size (inches) (Flange x Width)[1]	57 x 28		72 x 30		57 x 28		63 x 30		63 x 30	
Reel Size (centimeters) (Flange x Width)[1]	145 x 71		183 x 76		145 x 71		160 x 76		160 x 76	

[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	0.42	1.38
Outer Conductor	0.18	0.59
Loop	0.60	1.97
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	0.09	0.30
55	0.32	1.04
211	0.64	2.09
250	0.70	2.31
270	0.73	2.40
300	0.77	2.53
330	0.82	2.68
350	0.84	2.76
400	0.91	2.99
450	0.97	3.18
500	1.03	3.38
550	1.09	3.58
600	1.14	3.74
750	1.30	4.27
870	1.41	4.63
1000	1.53	5.02

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