

TX10 565 SERIES SEMIFLEX CABLE

TIMES FIBER COMMUNICATIONS, INC.®

1-800-677-2288

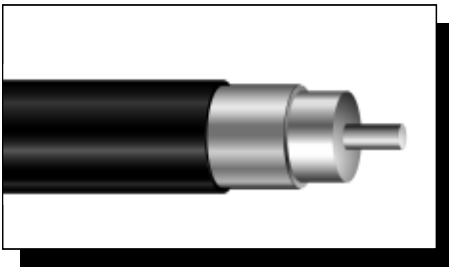


PART NUMBERS

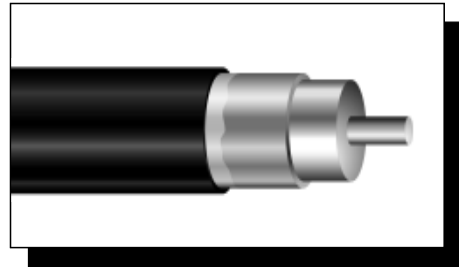
CONSTRUCTION	CENTER CONDUCTOR	
	Copper-Clad Aluminum	
	Part Number	MI Number
Jacketed	TX10565J	25501
Jacketed, Tracer Coded	TX10565JVI	25511
Jacketed Messengered	TX10565MS	25505
Jacketed Flooded, Underground	TX10565JB	25502
Jacketed Flooded, Underground, Extra Thick Jacket	TX10565JBX	25507
Jacketed Flooded, Underground, Extra Thick Jacket, Tracer Coded	TX10565JBXVI	25517
Jacketed Flooded, Underground, Tracer Coded	TX10565JBVI	25512
Jacketed Flooded, Aerial*	TX10565JBF	25504
Jacketed Flooded, Aerial, * Tracer Coded	TX10565JBFVI	25514
Jacketed Armored	TX10565JBA	25503
Jacketed Armored, Tracer Coded	TX10565JBAVI	25513

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

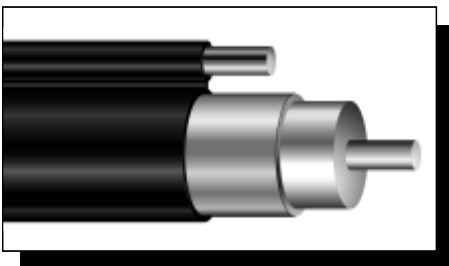
Note: Standard colored tracer stripes are red, yellow, green, blue, white, and slate. For other color combinations, please contact a customer service representative or your area sales representative.



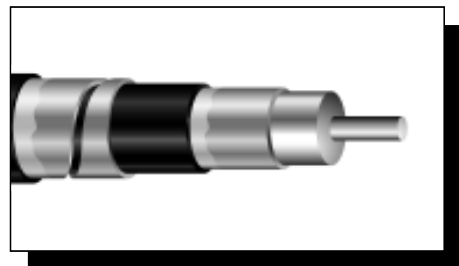
Jacketed



Jacketed Burial



Messengered



Armored



565 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	0.129	(3.28)	0.129	(3.28)	0.129	(3.28)	0.129	(3.28)	0.129	(3.28)
Dielectric	0.519	(13.2)	0.519	(13.2)	0.519	(13.2)	0.519	(13.2)	0.519	(13.2)
Outer Conductor Thickness	0.023	(0.58)	0.023	(0.58)	0.023	(0.58)	0.023	(0.58)	0.023	(0.58)
Outer Conductor Diameter	0.565	(14.4)	0.565	(14.4)	0.565	(14.4)	0.565	(14.4)	0.565	(14.4)
First Jacket	0.625	(15.9)	0.645	(16.4)	0.635	(16.1)	0.705	(17.9)	0.635	(16.1)
Messenger	—	—	0.188	(4.78)	—	—	—	—	—	—
Armor	—	—	—	—	—	—	—	—	0.655	(16.6)
Second Jacket	—	—	—	—	—	—	—	—	0.755	(19.2)
Nominal Weight (lb/1000 ft) (kg/km)	107	(159)	208	(310)	111	(165)	142	(211)	218	(324)
Nominal Weight (per reel) lb (kg)	384	(174)	656	(298)	393	(178)	494	(224)	681	(309)
Nominal Length (per reel) feet (m)	2450	(747)	2450	(747)	2450	(747)	2450	(747)	2450	(747)
Maximum Pull Force lbf (N)	350	(1557)	1995	(8874)	350	(1557)	350	(1557)	350	(1557)
Minimum Bend Radius in (mm)	5.1	(130)	5.1	(130)	7.5	(191)	7.5	(191)	11	(279)
Messenger Break Strength lbf (N)	—	—	3990	(17748)	—	—	—	—	—	—
Reel Size (inches) (Flange x Width) ¹	44 x 22		48 x 28		44 x 22		48 x 28		48 x 28	
Reel Size (centimeters) (Flange x Width) ¹	112 x 56		122 x 71		112 x 56		122 x 71		122 x 71	

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	0.96	3.15
Outer Conductor	0.34	1.12
Loop	1.30	4.27
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	0.14	0.46
55	0.47	1.55
211	0.93	3.06
250	1.03	3.38
270	1.07	3.51
300	1.13	3.71
330	1.19	3.91
350	1.23	4.04
400	1.32	4.33
450	1.40	4.59
500	1.49	4.89
550	1.56	5.12
600	1.64	5.38
750	1.85	6.07
870	2.01	6.58
1000	2.17	7.12

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