

Trompeter Cable Specifications

Twinax/Triax Cable Specs

	Twinax						Triax			
			High Temperature:							
Cable Designation	TWC-78-1	TWC-78-2	M17/176-00002	TWAC-78-1F2	TWC-124-1A	TWC-124-2	TRC-50-1	TRC-50-2	TRC-75-1	TRC-75-2
Impedance (Ohms)	78±3	78±3	77±7	77±7	124±4	124±4	50±2	50±2	75±5	75±5
Nominal outer dia.	0.150	0.242	0.129	0.095	0.150	0.245	0.156	0.245	0.189	0.245
Outer braid dia.	0.108	0.195 Max	0.102	0.070	0.105	0.195 Max	0.121	0.210 Max	0.150	0.205
Core outer dia.	0.085	0.154	0.084	0.052	0.085	0.162				
Dielectric outer dia.	0.043	0.076	0.042	0.026	0.043	0.080	0.047	0.116	0.073	0.116
Inner braid outer dia.							0.069 Max	0.146 Max	0.093	0.146 Max
Inner jacket outer dia.							0.101	0.175	0.130	0.175
Conductor outer dia.	.022	0.0370	0.0230 Min.	0.0149	0.0120	0.0220	0.0150	0.0370	0.0120	.0185
Operating temperature Range	-40°C to 80°C	-40°C to 80°C	-55°C to 200°C	-55°C to 200°C	-40°C to 80°C	-40°C to 80°C	-40°C to 75°C	-40°C to 80°C	-40°C to 80°C	-40°C to 80°C
Minimum bend radius (in.)	1.50 Max	1.25	1.50	1.25	1.50	1.25	0.75	1.25	1.00	1.25
Max. Opr. VDC	0.6 KV Max	2.0 KV			0.6 KV	2.0 KV	2.0 KV	6.0 KV	2.0 KV	6.0 KV Max
Max. Opr. VAC (RMS)	0.3 KV Max	1.0 KV	750 KV Max	250	0.3 KV	1.0 KV	1.0 KV	2.0 KV	1.0 KV	2.0 KV Max
Capacitance pF/ft. (Max)	20.30 Max (2)	21.20 (3)	24.00	23.00	12.40	12.30 (3)	29.50	32.00 (1)	20.00	20.50 (1)
Cond. loop res. (Ohms/M ft.)	179 Max	19.00 Max	48.00	146.00	570.60	56.80 Max				
Atten. dB/100 ft.:										
1 MHz	2.000	0.700	1.400	2.000	3.250	0.540	2.800	0.500	0.900	0.480
3 MHz	3.000	1.100	2.100		4.400	0.920	3.100	0.800	1.300	0.880
4 MHz	3.500	1.400	2.400		4.800	1.060	3.300	0.900	1.500	1.010
5 MHz	4.000	1.550	2.800		5.200	1.180	3.400	1.100	1.700	1.100
7 MHz	4.500	1.800	3.500		5.600	1.400	3.700	1.300	1.900	1.300
10 MHz	5.300	2.200	4.50 Max	6.500	5.900	1.650	4.100	1.500	2.400	1.500
20 MHz	7.50	3.10			8.30	2.30	5.50	2.30	3.60	2.30
30 MHz	9.20	3.90			10.20	2.80	7.00	2.90	4.50	2.90
40 MHz	10.60	4.50			11.80	3.20	7.50	3.40	5.40	3.30
50 MHz	11.90	5.10			13.20	3.60	9.10	3.90	6.10	3.60
100 MHz	16.80	7.50			18.70	5.10	14.00	5.80	9.70	5.20
200 MHz	23.70	10.50			26.40	7.20	22.00	8.80	16.50	7.60
500 MHz	37.50	16.00			41.70	11.40	40.00	15.30	28.50	10.80
700 MHz	44.30	18.60			49.40	13.50	50.00	18.00	36.00	14.70
1 GHz	53.00	22.50			59.00	16.20	63.00	23.00	45.00	17.60
Shielded cover-age	93%	93%	93.3%	90% Min.	93%	93%	93% Min.	93%	93% Min.	93%
Twist per ft.	8.00	4.00	11-14	16.00	8.00	4.00				