Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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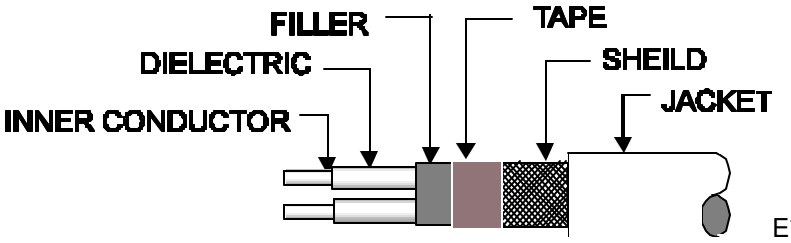
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

TSI SPECIFICATION SHEET
CABLE, RADIO FREQUENCY, TWIN CONDUCTOR, BALANCED LINE
TWC-78-2
MARK: TROMPETER ELECTRONICS TWINAX, TWC-78-2 E***** AWM STYLE 2092 (*)

*(VENDOR 4 DIGIT NUMBER TO BE ASSIGNED BY TEI PURCHASING DEPT.)



E*****:MANUFACTURER'S UL FILE NUMBER.

REQUIREMENTS:

1. IMPEDENCE (OF PAIR) ---------- 78 ± 3 OHMS
2. OPERATING VOLTAGE ---------- 1 KVRMS MAX/2 KVDC
3. BEND RADIUS ---------- 1.25 INCH MIN
4. CAPACITANCE ---------- COND TO COND ---------- 21.2 PF/FT
   COND TO SHIELD ---------- 36.0 PF/FT
   COND TO SHIELD TO COND---- 38.0 PF/FT
   TWO COND TO SHIELD ---------- 62.0 PF/FT
5. CONDUCTOR LOOP RESISTANCE ---------- 20.0 OHMS/M FT MAX
6. VELOCITY OF PROPAGATION ---------- 66% NOM
7. ATTENTUATION:

FREQUENCY	dB/100 FT NOM	FREQUENCY	dB/100 FT NOM
1 MHz	0.70	40 MHz	4.50
3 MHz	1.10	50 MHz	5.10
4 MHz	1.40	100 MHz	7.50
5 MHz	1.55	200 MHz	10.50
7 MHz	1.80	500 MHz	16.00
10 MHz	2.20	700 MHz	18.60
20 MHz	3.10	1000 MHz	22.50
30 MHz	3.90		

8. HEAT AGING ATTENUATION TEST: SUBJECT A 180 FOOT SAMPLE TO 80°C IN AIR CIRCULATING OVEN FOR 72 HRS. REMOVE CABLE FROM THE OVEN AND LET STABILIZE TO ROOM TEMP (4 HRS MIN). THE ATTENTUATION AT 7 MHz SHALL NOT INCREASE MORE THAN .48 dB/100 FT FROM ITS UNAGED VALUE
9. WEIGHT ---------- .0353 LB/ FT
10. INSULATION RESISTANCE (MIN) ---------- 20 MEGOHMS/1000 FT
11. OPERATING TEMPERATURE RANGE ---------- -40° C TO +80° C

DESCRIPTION	CONSTRUCTIONAL DETAILS
INNER CONDUCTORS	TWO CONDUCTORS, EACH 7 STRANDS OF AWG SIZE 28 TINNED COPPER WIRE. NOM DIA .037 (AWG 20)
DIELECTRICS	TWO EACH POLYETHYLENE, ONE BLUE, ONE NATURAL. NOM DIA .076
FILLERS	TWO EACH POLYETHYLENE. NOM DIA .052
CABLE CORE	.154 NOM O.D., .160 MAX DIELECTRICS AND FILLERS TO HAVE A 2.92 ± .25 RIGHT-HAND OR LEFT-HAND LAY, 4 TWISTS PER FOOT. A NYLON THREAD WRAP SHALL BE APPLIED WITH SUFFICIENT COVERAGE TO MAINTAIN THE POSITION OF THE COMPONENTS
SHIELD	SINGLE BRAID, (128 STRANDS 16X8) AWG SIZE 36 TINNED COPPER WIRE. 9.8 PICKS/IN, 32° BRAID ANGLE, 4.2 OHM/M FT D.C. RESISTANCE. SHIELD COVERAGE 93% NOM, MAX O.D. .195
JACKET	BLUE (PER EIA-359-A, MUNSELL COLOR CHART, SYMBOL CENTROID) POLYVINYLCHLORIDE .242 ± .005 O.D.

DATE

APPR

DWN DKC

EO 12578

REV J

TSI	DWN	DKC	10-6-98	MATERIAL	CODE IDENT	DRAWING NO.	REV
	CHK	D. CORNMAN	11-24-04	_____	14949	TWC-78-2	J
	ENG	R. THIELE	11-24-04				
	APPR	T. CLARE	11-24-04	SCALE --------	DATE 9-27-76	SHEET	