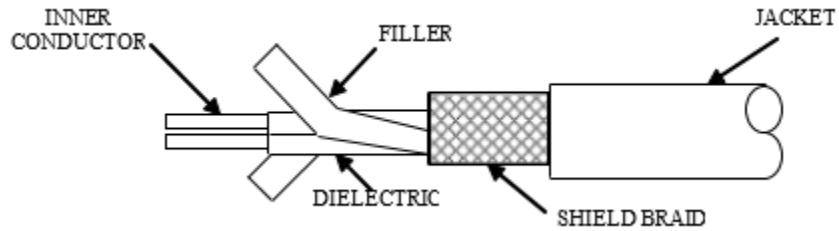


TROMPETER SPECIFICATION SHEET
PLENUM CABLE, RADIO FREQUENCY, TWIN CONDUCTOR, BALANCED LINE
TWCP-78-2



DESCRIPTION:

TWINAXIAL CABLE WITH **20 AWG** CENTER CONDUCTORS INSULATED WITH FLUORINATED ETHYLENE PROPYLENE, THE CABLE HAS TWO INSULATED CONDUCTORS PLUS FILLERS TWISTED TOGETHER IN THE CORE. THE CORE IS COVERED BY A BRAID SHIELD AND AN OVERALL BLUE TINT FLUOROPOLYMER JACKET.

REQUIREMENTS:

1. IMPEDENCE ----- 78 ± 3 OHMS
2. BEND RADIUS ----- 2.5 INCH MIN
3. CAPACITANCE MUTUAL ----- 18.6 PF/FT NOMINAL
4. VELOCITY ----- 69% NOMINAL
5. ATTENUATION: FREQUENCY db/100 FT NOM

1 MHz	0.60
3 MHz	1.00
4 MHz	1.20
5 MHz	1.40
7 MHz	1.60
10 MHz	2.00
20 MHz	2.80
30 MHz	3.50
40 MHz	4.10
50 MHz	4.60
100 MHz	6.90
200 MHz	9.90
500 MHz	15.40
700 MHz	18.30
1000 MHz	21.80

NOTES:

1. CABLE IS UL LISTED CL2P 125° C PER UL SUBJECT 13
2. CALCULATED DESIGN WEIGHT 37.0 LBS/1000 FT
3. JACKET SHALL BE PRINTED IN BLACK INK
 "TROMPETER ELECTRONICS TWINAX TWCP-78-2 E80094 2/C 20 AWG SHIELDED TWINAXIAL (UL) CL2P 125° C"

DESCRIPTION	CONSTRUCTIONAL DETAILS
CENTER CONDUCTORS	20 AWG 7/28 TIN PLATED COPPER.
INSULATION	FLUORINATED ETHYLENE PROPYLENE COLOR CODED 0.018" NOMINAL NOM OD ONE CONDUCTOR BLUE PLUS ONE CONDUCTOR NATURAL 0.074" NOMINAL DIAMETER
CABLE	TWO CONDUCTORS PLUS TWO FILLERS TWISTED TOGETHER AT A 3" RIGHT HAND LAY WITH AN OVERALL POLYESTER BINDER.
BRAID SHIELD	9 ENDS 36 AWG TIN COPPER 95% NOMINAL COVERAGE .168" NOMINAL O.D.
OUTER JACKET	SOLEF BLUE (PER EIA-359-A, MUNSELL COLOR CHART, SYMBOL CENTROID) FLUORPOLYMER 0.037" NOMINAL WALL .242 ± .005 O.D.

DATE : 8/05/05
 APPR; M.MCINTYRE
 DWN DKC
 ECO 7193
 REV C

	DWN	OKC	12-2-98	MATERIAL	CODE IDENT	DRAWING NO.	REV
	CHK	LES MEIER	08/05/05				
	ENG	R.THIELEE	8/05/05				
	APPR	M.SCHWAR	8/05/05	SCALE -----	DATE 6-5-92	SHEET	