



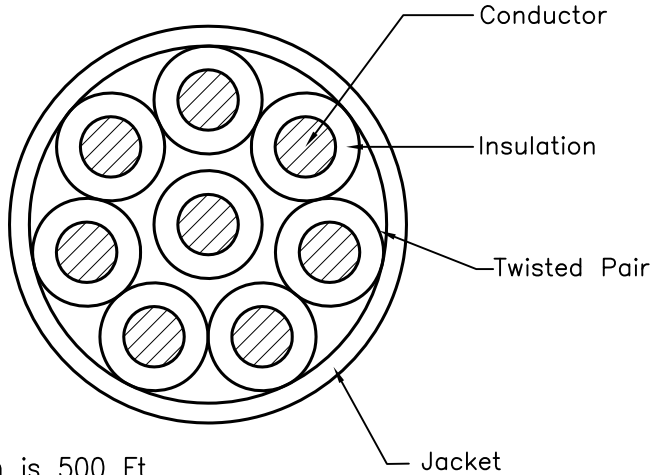
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SPC-F005.DWG

REVISIONS

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1891	A	RELEASED	EO	06/27/06	YA	7/25/06	HO	7/25/06
2020	B	Conductor Updated	JN	11/04/09	JN	11/04/09	JN	11/04/09



Note, Spool length is 500 Ft

SPC Type No.	Color
SPC19837	Black
SPC19838	Blue
SPC19839	Green
SPC19840	Orange
SPC19841	Red
SPC19842	Yellow
SPC19843	White
SPC19844	Gray

UL 444 & CSA-C22.2 No.214: Type CM, AWG32 x 4P TIA/EIA-568-B.2 Patch Cable (Stranded Conductor)

- Conductor: Stranded copper (7 x AWG32)
- Insulation: HDPE (CMI-75E)
Min. Avg. Thickness: 0.178 mm;
Min. Thickness: 0.153 mm
- Color Code:
Pair 1: Blue & White/Blue
Pair 2: Orange & White/Orange
Pair 3: Green & White/Green
Pair 4: Brown & White/Brown
- Jacket: 75°C PVC compound
Min. Avg. Thickness: 0.585 mm;
Min. Thickness: 0.458 mm
approximate O.D.: 5.8mm ±0.2mm
- Electric Requirements: (Cable length: 100M)
5.1 Characteristic Impedance(Zo): 85~115 Ohm (1~100 MHz)
5.2 Other Requirements: (dB/100M)

Frequency MHz	Att. Stranded	Pr-Pr NEXT	PS NEXT	Prop. Delay	Delay Skew (ns.)	Return Loss	Pr-Pr ELFEXT	PS ELFEXT
1	2.4	65.3	62.3	538.5	45	20	63.8	60.8
10	7.8	50.3	47.3	545	45	25	43.8	40.8
16	9.9	47.3	44.4	539.9	45	25	39.7	36.7
20	11.1	45.8	42.8	540.2	45	25	37.7	34.7
25	12.5	44.4	41.3	540.8	45	24.2	35.8	32.8
31.25	14.1	42.9	39.9	541.4	45	23.3	33.9	30.9
62.5	20.4	38.4	35.4	542.5	45	20.7	27.8	24.8
100	26.4	35.3	32.3	543	45	19	23.8	20.8

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TOLERANCES:
Unless Otherwise Specified
.X ±0.2 [0.008]
.XX ±0.12 [0.005]

DRAWN BY: EKLAS ODISH
CHECKED BY: YILMAZ AKYONDEM
APPROVED BY: HISHAM ODISH
DATE: 06/27/06
DATE: 7/25/06
DATE: 7/25/06

DRAWING TITLE: Cat5 Cable, Unshielded Twisted Pair, TIA/EIA 568A
SIZE: A DWG. NO.: TA-778 ELECTRONIC FILE: TA-778.DWG REV: B
SCALE: NTS U.O.M.: mm [INCHES] SHEET: 1 OF 1