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### CATEGORY 5E PERFORMANCE CHARACTERISTICS

FREQUENCY	RETURN LOSS MIN dB	INPUT IMPEDANCE dB	INSERTION LOSS MAX dB AT 100M	NEXT MIN dB	POWER SUM NEXT MIN dB	ACRF MIN dB	PSACRF MIN dB
1.00	20.0	100±15%	2.0	65.3	62.3	63.8	60.8
4.00	23.0	100±15%	4.1	56.3	53.3	51.7	48.7
8.00	24.5	100±15%	5.8	51.8	48.8	45.7	42.7
10.00	25.0	100±15%	6.5	50.3	47.3	43.8	40.8
16.00	25.0	100±15%	8.2	47.2	44.2	39.7	36.7
20.00	25.0	100±15%	9.3	45.8	42.8	37.7	34.7
25.00	24.3	100±15%	10.4	44.3	41.3	35.8	32.8
31.3	23.6	100±15%	11.7	42.9	39.9	33.9	30.9
62.50	21.5	100±15%	17.0	38.4	35.4	27.9	24.8
100.00	20.1	100±15%	22.0	35.3	32.3	23.8	20.8

### FINISHED WIRE DATA

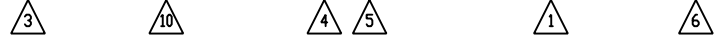
CONDUCTORS	WIRE AWG	24 AWG SOLID (#0021 NOM)
	MATERIAL	COPPER
	PLATING	BARE COPPER
INSULATION	MATERIAL	HDPE
	THICKNESS	.008 NOMINAL
JACKET	MATERIAL	PVC
	THICKNESS	.032 NOMINAL

### COLOR CODE

PAIR	PAIR
1 WHT//BLU	14 BLK//BRN
2 WHT//ORG	15 BLK//GRA
3 WHT//GRN	16 YEL//BLU
4 WHT//BRN	17 YEL//ORG
5 WHT//GRA	18 YEL//GRN
6 RED//BLU	19 YEL//BRN
7 RED//ORG	20 YEL//GRA
8 RED//GRN	21 VIO//BLU
9 RED//BRN	22 VIO//ORG
10 RED//GRA	23 VIO//GRN
11 BLK//BLU	24 VIO//BRN
12 BLK//ORG	25 VIO//GRA
13 BLK//GRN	

LEGEND TO BE REPEATED EVERY 24'

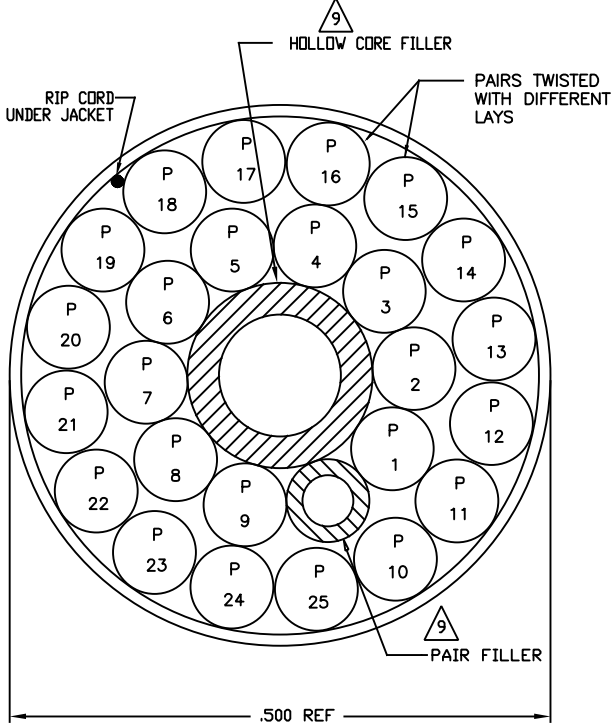
COMMSCOPE 510 SERIES 25/24 AWG (XXXX) CMR (SAFETY LISTING) ETL VERIFIED TIA-568-C.2 CAT 5E (SEQUENTIAL #) FT (DATE CODE)



### REVISIONS

REV	DATE	DESCRIPTION	BY	APP'D
L	23JAN2017	REV PER ECN 8000019078	GG	MS

- 1 LENGTH SEQUENTIAL FOOTAGE ACCURACY TO BE ± 1%.
- 2 JACKET COLOR SHALL BE IN ACCORDANCE WITH EIA-359-A WIRE AND CABLE LIMITS.
- 3 (XXXX) INDICATES THE MANUFACTURING LOCATION AND MAY DIFFER.
- 4 PRINT SHALL BE LEGIBLE.
- 5 PRINT DURABILITY SHALL BE PER UL 444 SECTION 6.7.
- 6 ABCDE IS DATE CODE - AB YEAR CD WEEK E TIME  
EXAMPLE: 9513 PER (102-60)
- 7. GOVERNING SPECIFICATIONS - LATEST REVISIONS  
TIA 568  
NEC 800  
UL 444 - CMR  
CSA C22.2 NO. 214-02
- 8. WEIGHT = 134 LBS/1000 FT NOMINAL.
- 9 OTHER FILLERS MAY BE INCLUDED IN CABLE CONSTRUCTION.
- 10 SAFETY LISTING EITHER (CUL)US OR (CETL)US.



COLOR	LENGTH (FT)	PART NUMBER
WHITE	3280±10%	7-1499418-2
YELLOW	2500±10%	6-1499418-4
BLUE	2500±10%	6-1499418-3
GRAY	2500±10%	6-1499418-2
WHITE	1640±2%	5-1499418-5
WHITE	2500±10%	5-1499418-2
WHITE	2000±10%	5-1499418-1
GRAY	1640	4-1499418-2
YELLOW	1000±10%	1499418-4
BLUE	1000±10%	1499418-3
GRAY	1000±10%	1499418-2
WHITE	1000±10%	1499418-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWG L HALL 11JUL03	11JUL03
	0 PLC ± .	CHK R SPEER 11JUL03	11JUL03
	1 PLC ± .1	APP'D R SPEER 11JUL03	NAME
	2 PLC ± .02	PRODUCT SPEC	
	3 PLC ± .005	APPLICATION SPEC	
MATERIAL	FINISH	WEIGHT	SIZE CASE CODE DRAWING NO
-	-	-	A2 C=1499418
CUSTOMER DRAWING		SCALE NTS	SHEET 1 OF 1

COMMSCOPE, INC.  
CMR UTP 25/24 CSE

1499418

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