

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION  
 © 2016 Commscope, INC. Confidential NOTICE: These drawings and specifications are the proprietary property of COMMSCOPE, INC. and may be used only for the specific purpose authorized in writing by COMMSCOPE, INC.

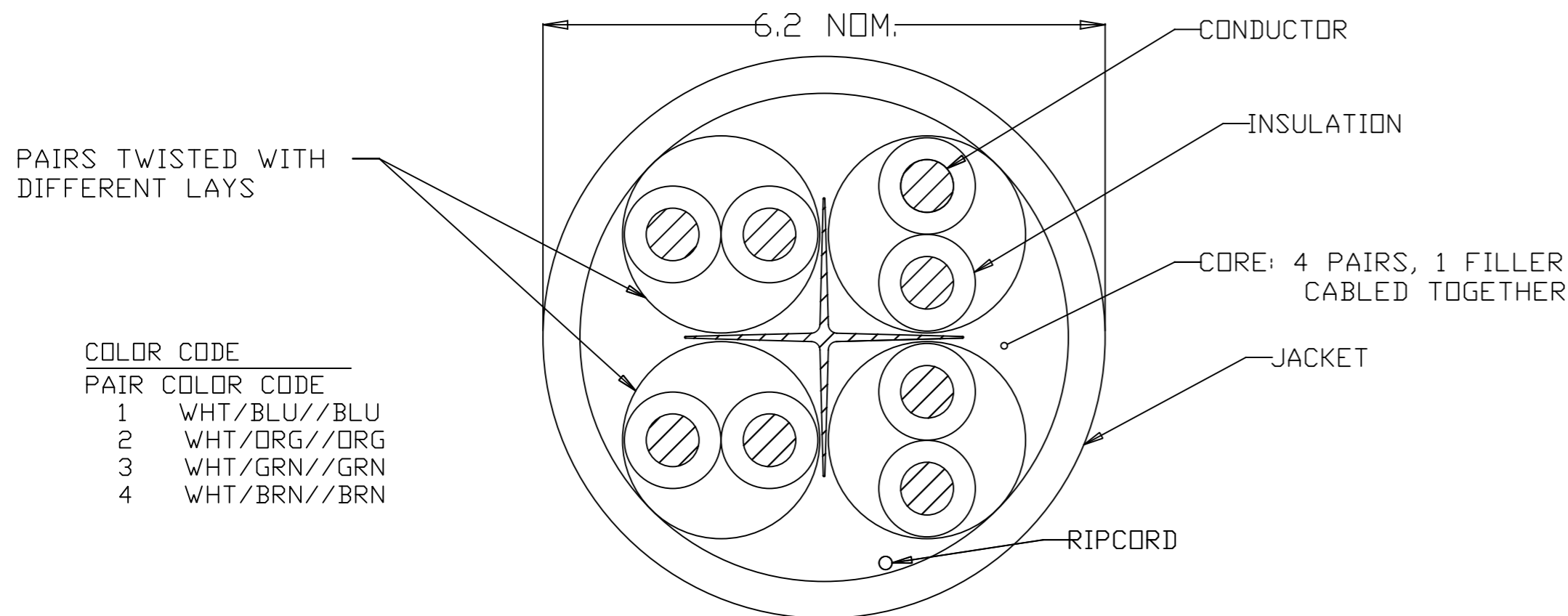
REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
L		ECN:8000024544	04JUL2017	RL GW

CATEGORY 6 PERFORMANCE CHARACTERISTICS

FREQUENCY (MHz)	ATTENUATION (db/100m)	NEXT (db, WORST PR)	PSNEXT (db)	ELFEXT (db, WORST PR)	PSELFEXT (db)	DELAY (ns/100m)	RL (db)	IMPEDANCE (ohms)	PSACR (db)
	MAXIMUM	MINIMUM	MINIMUM	MINIMUM	MINIMUM	MAXIMUM	MINIMUM		MINIMUM
1.00	2.0	77	75	68	65	570	20.0	100±15	75.1
4.00	3.8	68	66	56	53	552	23.0	100±15	64.3
8.00	5.3	64	62	50	47	547	24.5	100±15	58.2
10.00	6.0	62	60	48	45	545	25.0	100±15	56.1
16.00	7.6	59	57	44	41	543	25.0	100±15	51.5
20.00	8.5	58	56	42	39	542	25.0	100±15	49.1
25.00	9.5	56	54	40	37	541	24.3	100±15	46.6
31.25	10.7	55	53	38	35	540	23.6	100±15	44.0
62.50	15.4	50	48	32	29	539	21.5	100±15	34.8
100.00	19.8	47	45	28	25	538	20.1	100±15	27.3
155.00	25.2	44	42	24	21	537	18.5	100±22	19.1
200.00	29.0	43	41	22	19	537	18.0	100±22	13.6
250.00	32.8	41	39	20	17	536	17.3	100±22	8.3

IAW EIA/TIA 568, LATEST ISSUE, FOR ENGINEERING PURPOSES ONLY, ALL MEASUREMENTS ARE SWEEPED OVER THE FREQUENCY RANGE OF INTEREST.

- 1 LENGTH SEQUENCE IS RETURNED TO ZERO FOR EACH LENGTH LENGTH MEASUREMENT ACCURACY TO BE ±1%
- 2 PRINT COLOR SHALL BE BLACK EXCEPT WHITE ON BLACK JACKET
- 3 PRINT DURABILITY SHALL BE PER UL 444
- 4 GOVERNING SPECIFICATIONS – LATEST REVISIONS TIA 568  
NEC 800 UL 444
- 5 JACKET COLOR SHALL BE IN ACCORDANCE WITH EIA-359-A WIRE AND CABLE LIMITS OR TE CONNECTIVITY SUPPLIED COLOR STANDARD
- 6 EMEA MARKET PRINTING.
- 7 CABLE HAS NO RIPCORD AND NO STRIPE ON WHITE CONDUCTOR. PAIR COLOR CODE: 1. WHITE//BLU; 2. WHITE//ORG  
3. WHITE//GRN 4. WHITE//BRN



COLOR CODE

PAIR	COLOR CODE
1	WHT/BLU//BLU
2	WHT/ORG//ORG
3	WHT/GRN//GRN
4	WHT/BRN//BRN

6	WHITE	1000M±1%	REEL	8-1427215-2
6	WHITE	305M±1%	REEL BOX	7-1427215-2
	YELLOW	1000±1%	REELEX	6-1427215-8
	RED	1000±1%	REELEX	6-1427215-7
	BLUE	1000±1%	REELEX	6-1427215-6
	ORANGE	1000±1%	REELEX	6-1427215-5
	GRAY	1000±1%	REELEX	6-1427215-4
	GREEN	1000±1%	REELEX	6-1427215-3
	WHITE	1000±1%	REELEX	6-1427215-2
	BLACK	1000±1%	REELEX	6-1427215-1
	VIOLET	1000±1%	REELEX	6-1427215-0

7	YELLOW	1000±1%	REELEX	9-1427215-8	YELLOW	1000±1%	REEL BOX	2-1427215-8
7	RED	1000±1%	REELEX	9-1427215-7	RED	1000±1%	REEL BOX	2-1427215-7
7	BLUE	1000±1%	REELEX	9-1427215-6	BLUE	1000±1%	REEL BOX	2-1427215-6
7	ORANGE	1000±1%	REELEX	9-1427215-5	ORANGE	1000±1%	REEL BOX	2-1427215-5
7	GRAY	1000±1%	REELEX	9-1427215-4	GRAY	1000±1%	REEL BOX	2-1427215-4
7	GREEN	1000±1%	REELEX	9-1427215-3	GREEN	1000±1%	REEL BOX	2-1427215-3
7	WHITE	1000±1%	REELEX	9-1427215-2	WHITE	1000±1%	REEL BOX	2-1427215-2
7	BLACK	1000±1%	REELEX	9-1427215-1	BLACK	1000±1%	REEL BOX	2-1427215-1
7	VIOLET	1000±1%	REELEX	9-1427215-0	VIOLET	1000±1%	REEL BOX	2-1427215-0
COLOR	LENGTH (FT)	PACKAGE	PART NUMBER	COLOR	LENGTH (FT)	PACKAGE	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN R.LI 14DEC2015	<b>COMMSCOPE, INC.</b>		
CHK F.ZHANG 14DEC2015			
APVD W.FAN 14DEC2015			
NAME			
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	CABLE, CATEGORY 6, 4UTP, 23AWG, LSZH
0 PLC ± -	1 PLC ± -	APPLICATION SPEC	
2 PLC ± -	3 PLC ± -	WEIGHT	SIZE CAGE CODE DRAWING NO RESTRICTED TO
4 PLC ± -	ANGLES ± -	FINISH	A2 00779 C=1427215
MATERIAL		CUSTOMER DRAWING	SCALE SHEET 1 of 2 REV L

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION  
 © 2016 Commscope, INC. Confidential NOTICE: These drawings and specifications are the proprietary property of COMMSCOPE, INC. and may be used only for the specific purpose authorized in writing by COMMSCOPE, INC.

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
	L	ECN:8000024544	04JUL2017	RL GW

△2
△3
△6
△1

COMMSCOPE ISO-EN COMPLIANT ABCDE CAT6 UTP SOLID PR04 AWG23 LSZH IEC 60332-1 1427215 [length] M YYWW [tracking number]

LEGEND SHALL BE REPEATED EVERY METER

△2
△3
△7
△1

COMMSCOPE AMP NETCONNECT 620 SERIES CATEGORY 6 CABLE 520433 LSZH 4PR 23AWG UTP 75C YYWW [TRACKING NUMBER] XXXXX FT (XXXX.X M)

LEGEND SHALL BE REPEATED EVERY 2 FEET

△2
△3
△1

COMMSCOPE AMP NETCONNECT CATEGORY 6 ABCDE 4PR 23AWG UTP LSZH 75C --- [length] FT YYWW [TRACKING NUMBER]

LEGEND SHALL BE REPEATED EVERY 2 FEET

D

C

1427215

B

A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.LI	14DEC2015	<b>COMMSCOPE, INC.</b>		
DIMENSIONS: mm		CHK F.ZHANG	14DEC2015			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD W.FAN	14DEC2015	NAME CABLE,CATEGORY 6,4UTP,23AWG,LSZH		
0 PLC ± -		PRODUCT SPEC		RESTRICTED TO		
1 PLC ± -		APPLICATION SPEC		SIZE	CAGE CODE	DRAWING NO
2 PLC ± -				A2	00779	C=1427215
3 PLC ± -				SCALE		
4 PLC ± -				SHEET 2 of 2		
ANGLES ± -				REV L		
FINISH		WEIGHT		CUSTOMER DRAWING		
- △2						