SPECIFICATIONS	RICAL	PERF	OF	RM	ANC	CE	"OPTICAL CABLE CORPORATION (OCC) RESERVES THE RIGHT TO REVISE ANY CABLE SPECIFICATIONS."			
1. DESCRIPTION: CAT 6A CABLE, CONSISTING OF 4 PAIRS, 23 AWG, SHIELDED WITH AN OVERALL JACKET. CMR, c(UL)us TYPE FT4 PER UL 444. PACKAGING TYPE: REEL			NSERTION NEXT LOSS			EXT				RETURN
		LOSS	MIN		MI		LOSS	DELAY		OLLED COPY
2. CONDUCTOR: 23 AWG SOLID BARE COPPER (.0226" NOM OD) INSULATION: POLYOLEFIN .044" NOM OD, .0122" AVG WALL		MAX.	(dB/100 r WP P	'	(dB/10 WP	,	MIN. (dB/100 m)	MAX (no.(100 m)		
INSULATION. POLYOLEFIN .044 NOM OD, .0122 AVG WALL	(MHz.) 0.772	(dB/100 m)	WP P 76.0 74			PS	(dB/100 m)	(ns/100 m)		
3. PAIRING: COMPONENTS ARE TWISTED INTO PAIRS WITH VARYING LEFT	1.0	2.1	76.0 74				20.0	570		
HAND LAYS TO MINIMIZE CROSSTALK.	4.0	3.8	65.3 63				23.0	552		
PAIR # COLOR	8.0	5.3	60.8 58				24.5	547		
1 BLU PAIRED WITH WHT/BLU	10.0	5.9	59.3 57				25.0	545		
2 ORG PAIRED WITH WHT/ORG 3 GRN PAIRED WITH WHT/GRN	16.0	7.5	56.2 54			40.7	25.0	543		
4 BRN PAIRED WITH WHT/BRN	20.0	8.4	54.8 52				25.0	542		
	25.0	9.4	53.3 51				24.3	541		
4. CABLING: THE FOUR (4) TWISTED PAIRS ARE CABLED AROUND AN ISOLATOR WITH A LEFT HAND LAY AND WRAPPED WITH A POLYESTER TAPE. AN	31.25	10.5	51.9 49	.9	37.9	34.9	23.6	540		
ALUMINUM/POLYESTER TAPE IS APPLIED OVERALL (ALUMINUM SIDE IN) AND	62.5	15.0	47.4 45	.4	31.9	28.9	21.5	539		
A 24 AWG SOLID TC DRAIN WIRE IS PULLED IN UNDER THE	100.0	19.1	44.3 42	.3	27.8	24.8	20.1	538		
ALUMINUM/POLYESTER TAPE. 25% MIN OVERLAP ON TAPES.	200.0	27.6	39.8 37				18.0	537		
5. OVERALL JACKET: PVC LF (SEE CABLE COLOR TABLE)	300.0	34.3			18.3		16.8	536		
· · · · · · · · · · · · · · · · · · ·	400.0	40.1	35.3 33				15.9	536		
.296" NOM OD .020" AVG WALL	500.0	45.3	33.8 31	.8	13.8	10.8	15.2	536		
WHERE: MYLLDDS = TRACEABILITY CODE XXXXX FT = SEQUENTIAL FOOTAGE MARKINGS 7. AGENCY APPROVAL: UNDERWRITERS LABORATORIES. INC. TYPE CMR,		6				ry insul Rain wir			OCC-FTP6A4R-0 OCC-FTP6A4R-0 OCC-FTP6A4R-0	2 BLACK
COMMUNICATIONS RISER CABLE LISTED AS BEING SUITABLE FOR USE IN A			51107	'd		AWG			OCC-FTP6A4R-0	4 GREEN
VERTICAL RUN IN A SHAFT OR FROM FLOOR TO FLOOR PER UL 444. ALSO				ЪĦ		TAPE			OCC-FTP6A4R-0	5 BLUE
LISTED AS HAVING FIRE-RESISTANT CHARACTERISTICS CAPABLE OF PREVENTING THE CARRYING OF FIRE FROM FLOOR TO FLOOR IN		$ \otimes$	6120)/}					OCC-FTP6A4R-0	6 GRAY
ACCORDANCE WITH ARTICLE 800 OF THE NATIONAL ELECTRICAL CODE.) / (JUQ,			OLATOR			OCC-FTP6A4R-0	
8. TYPICAL 10GBASE-T ELECTRICAL CHARACTERISTICS*:						VC JACK			OCC-FTP6A4R-0	
CHARACTERISTIC IMPEDANCE: 100 Ω				2	23 AWG	BARE C	OPPER			
MAXIMUM CONDUCTOR RESISTANCE: 8.00 Ω/100 METERS				— SHI	ELD				OCC-FTP6A4R-0	
MAXIMUM RESISTANCE UNBALANCED: 5 % MAXIMUM MUTUAL CAPACITANCE: 5.6 nF/100 METERS @ 1kHz.									OCC PART NUMB	ER JACKET COLOR
MAXIMUM DELAY SKEW: 45 ns		UNLE	ESS OTHERWIS	SE SPE	CIFIED	THIS DRA	AWING AND THE D	DESIGN SHOWN ARE THE		33 Superior Way
NOMINAL VELOCITY OF PROPAGATION: 68% INSTALLATION TEMPERATURE RANGE: 0°C +60°C		DIME	ENSIONS ARE I ERANCES: FRA	N INCH	IES. S ±1/32"	PROPER	TY OF OPTICAL C	ABLE CORPORATION AN E BASIS FOR MANUFACTI		Swannanoa, NC 28778
OPERATING TEMPERATURE RANGE: -20°C +60°C				GLES ±	1/2°	OR SALE		FIC WRITTEN PERMISSIC		Phone: 828-298-2260 Fax: 828-298-2487
		2 PL/	ACE DECIMALS	5 ±.005 5 ±.01"		DRAWN		DATE	OPTICAL CABLE CORPO	
* DISCRETE VALUES ARE FOR INFORMATION ONLY. EQUATIONS FOR SWEPT FREQUENCIES GOVERN LIMITS. VERIFIED TO MEET CAT 6A			ERIAL			CHECKI	-			AT 6A, 23 AWG, 4 P
ANSI/TIA-568-C.2 PERFORMANCE REQUIREMENTS PER THE VERIFICATION			NOTES AN		ABLES	ENGINE		0 0/10/00		
REQUIREMENTS DEFINED IN CABLE MANUFACTURERS UL/ETL FILE.	PROJECTION					APPRO	J. TAININ	3/10/00		D, RISER, CMR
9. PRODUCT APPROVAL REQUIREMENTS: E.U. R₀HS DIRECTIVE 2002/95/EC	CRITICAL DIMENS	-	SH NOTES AN				J. CALLOW	AY DATE 7/21/15	SIZE DWG NO. C1	09154 REN
SWEPT FREQUENCIES GOVERN LIMITS TIA/EIA-568-B.2-10 PERFORMANCE	M = MATING	JOEE	NUTES AN		DLEO					
	A = AUDIT					NEXT D	WG	FILENAME C109	9154D.dft SCALE: NONE	E SHEET 1 OF 1