

PART NUMBER	LENGTH		ITEM ① UMC RIGHT ANGLE PLUG CONNECTOR, LOW PROFILE	ITEM ② CABLE	DRAWING NO. B - 415-0084-001/999			
	INCH	mm			0	REVISIONS		
415-0084-050	1.97±.16	50±4	BODY - COPPER ALLOY- GOLD PLATED CONTACT - COPPER ALLOY - GOLD PLATED INSULATOR - LCP - WHITE, UL94V-0	SHIELD - TIN PLATED ANNEALED COPPER WIRE DIELECTRIC - FEP CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#36 (7/.002) JACKET - FEP -GREY WHITE	ENGINEERING RELEASE			
415-0084-100	3.94±.16	100±4			1	10-20-06	PAT SDB RJB PDW	12-20-06 ECN 50727
415-0084-150	5.91±.16	150±4			INSULATOR-LCP BLACK WAS WHITE ***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * *****			
415-0084-200	7.87±.16	200±4			1a	2-20-07	PAT SDB RJB MJU JCN	4-23-07 ECN 50949
415-0084-250	9.84±.31	250±8			1b	2-7-11	MS SDJ RJB MS	2-7-11 ECO 52911
415-0084-300	11.81±.31	300±8						
415-0084-500	19.69±.31	500±8						

Technical drawing of a UMC mating cable plug. The drawing shows a side view of the plug with a central conductor and an outer shield. Dimensions include a length dimension and a contact height of .064 (1.62mm). Callouts 1 and 2 point to specific features.

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-6 GHz
VSWR: 1.30 MAX AT 0-3 GHz
1.50 MAX AT 3-6 GHz
WITHSTANDING VOLTAGE: 200 V AC
INSULATION RESISTANCE: 500 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - 20 MILLI-OHMS MAX
OUTER CONDUCTOR - 20 MILLI-OHMS MAX

MECHANICAL:

COMPATIBILITY: MATES WITH U.FL SERIES
HOLDING FORCE (MIN): 0.15 N (FEMALE CONTACT)
DURABILITY: 30 CYCLES

ENVIRONMENTAL:

TEMPERATURE RANGE: -40° C TO +90° C

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ASME Y 14.5M - 1994

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY PAT	DATE 5-23-06	Cinch CONNECTIVITY SOLUTIONS a bel group	Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS .XX	mm	CHECKED BY RJB	DATE 12-13-06		TITLE UMC MATING CABLE PLUG .079 (2.0mm) MATING HEIGHT .032 (0.81mm) CABLE O.D.	
.XXX ±.004		APPROVED BY PDW	DATE 12-20-06		SHEET 2 OF 2	
MATL		RELEASE DATE 12-20-06			DRAWING NO. B - 415-0084-001/999	
FINISH		U/M INCH	SCALE 10:1			