

PART NUMBER	LENGTH		ITEM ① UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE	ITEM ② CABLE	DRAWING NO. B - 415-0085-001/999			
	INCH	mm			0	REVISIONS		
415-0085-050	1.97±.16	50±4	BODY - COPPER ALLOY- GOLD PLATED CONTACT - COPPER ALLOY - GOLD PLATED INSULATOR - PBT - WHITE, UL94V-0	SHIELD - TIN PLATED ANNEALED COPPER WIRE DIELECTRIC - FEP CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#36 (7/.002) JACKET - FEP - BLACK	ENGINEERING RELEASE			
415-0085-100	3.94±.16	100±4			1	10-20-06	PAT SDB RJB PDW	12-20-06 ECN 50728
415-0085-150	5.91±.16	150±4			INSULATOR-LCP BLACK WAS WHITE ***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. * *****			
415-0085-200	7.87±.16	200±4			1a	2-23-07	PAT SDB RJB MJUN	4-23-07 ECN 50950
415-0085-250	9.84±.31	250±8			ADD MEDIUM RPROFILE TO ITEM 1 CHANGE BODY MATERIAL TO COPPER ALLOY CHANGE CONTACT MATERIAL TO COPPER ALLOY CHANGE INSULATOR COLOR TO WHITE CHANGE INSULATOR MATERIAL TO PBT CHANGE SHIELD MATERIAL TO TIN PLATED			
415-0085-300	11.81±.31	300±8			1b	2-7-11	MS SDJ RJB MS	2-7-11 ECO 52912
415-0085-500	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 outer shield. Callout 1 points to the contact area with a dimension of .083 (2.1mm). Callout 2 points to the center conductor. A dimension line labeled 'LENGTH' spans the main body of the plug.

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 P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS	mm	CHECKED BY RJB	DATE 12-13-06		
.XX		APPROVED BY PDW	DATE 12-19-06		
.XXX ±.004		RELEASE DATE	12-20-06		
MATL				TITLE UMC MATING CABLE PLUG .098 (2.5mm) MATING HEIGHT .032 (0.81mm) CABLE O.D.	
FINISH					
		U/M INCH	SCALE 10:1	SHEET 2 OF 2	DRAWING NO. B - 415-0085-001/999