

PART NUMBER	LENGTH		ITEM ① UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE	ITEM ② CABLE
	INCH	mm		
415-0085-050	1.97±.16	50±4	BODY - COPPER ALLOY- GOLD PLATED	SHIELD - TIN PLATED ANNEALED COPPER WIRE DIELECTRIC - FEP CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#36 (7/.002)  JACKET - FEP - BLACK
415-0085-100	3.94±.16	100±4	CONTACT - COPPER ALLOY - GOLD PLATED	
415-0085-150	5.91±.16	150±4	INSULATOR - PBT - WHITE, UL94V-0	
415-0085-200	7.87±.16	200±4		
415-0085-250	9.84±.31	250±8		
415-0085-300	11.81±.31	300±8		
415-0085-500	19.69±.31	500±8		

DRAWING NO.  
B - 415-0085-001/999

0 REVISIONS

ENGINEERING RELEASE

1	10-20-06	P A T	S B D	R J B	P D W	12-20-06 ECN 50728
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INSULATOR-LCP BLACK WAS WHITE  
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\* REVISION NUMBER FOLLOWED BY AN ALPHA \*  
\* CHARACTER INDICATES DRAWING CLARIFI- \*  
\* CATION OR PART NUMBER ADDITION ONLY. \*  
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1a	2-23-07	P A T	S B D	R J B	M J C N	4-23-07 ECN 50950
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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

1b	2-7-11	M S	S D J	R J B	M S	2-7-11 ECO 52912
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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

"μ STATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	PAT	5-23-06
.XX	_____	CHECKED BY	DATE
.XXX ±.004	_____	RJB	12-13-06
MATL	_____	APPROVED BY	DATE
FINISH	_____	PDW	12-19-06
		RELEASE DATE	12-20-06
U/M	INCH	SCALE	10:1

**cinch** CONNECTIVITY SOLUTIONS  
a bel group

**Cinch Connectivity Solutions**  
P.O. Box 1732  
Waseca, MN 56093  
1-800-247-8256

TITLE: UMC MATING CABLE PLUG  
.098 (2.5mm) MATING HEIGHT  
.032 (0.81mm) CABLE O.D.

SHEET 2 OF 2  
DRAWING NO. B - 415-0085-001/999