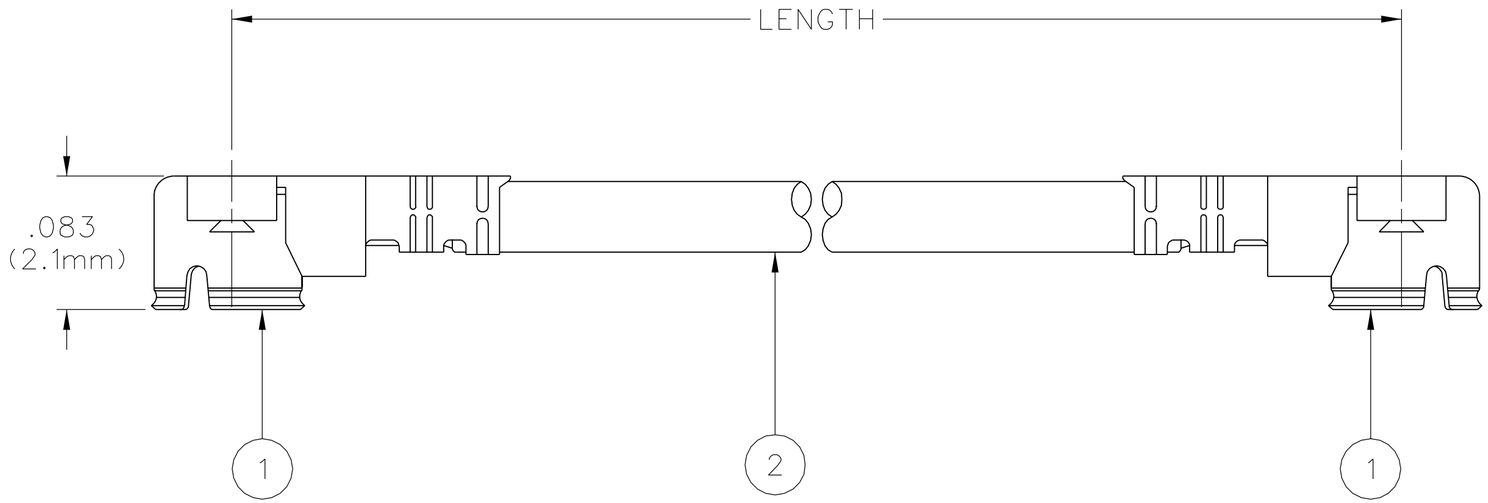
PART NUMBER	LENGTH		ITEM ① UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE	ITEM ② CABLE
	INCH	mm		
415-0086-050	1.97±.16	50±4	BODY - COPPER ALLOY- GOLD PLATED	SHIELD - TIN PLATED ANNEALED COPPER WIRE
415-0086-100	3.94±.16	100±4	CONTACT - COPPER ALLOY - GOLD PLATED	DIELECTRIC - FEP
415-0086-150	5.91±.16	150±4	INSULATOR - PBT - BLACK, UL94V-0	CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#32 (7/.003)
415-0086-200	7.87±.16	200±4		
415-0086-250	9.84±.31	250±8		JACKET - FEP - BLACK
415-0086-300	11.81±.31	300±8		
415-0086-500	19.69±.31	500±8		



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

DRAWING NO.
B - 415-0086-001/999

0 REVISIONS

ENGINEERING RELEASE

1	10-20-06	PAT	SBD	RJB	PDW		12-20-06 ECN 50731

VERSION UPDATE

****
* REVISION NUMBER FOLLOWED BY AN ALPHA *
* CHARACTER INDICATES DRAWING CLARIFI- *
* CATION OR PART NUMBER ADDITION ONLY. *
****

1a	2-20-07	PAT	SBD	RJB	MJU	JCN	4-23-07 ECN 50952

ADD MEDIUM PROFILE TO ITEM 1 BLOCK
CHANGE BODY MATERIAL TO COPPER ALLOY
CHANGE CONTACT MATERIAL TO COPPER ALLOY
CHANGE INSULATOR COLOR TO BLACK
CHANGE INSULATOR COLOR TO PBT
CHANGE SHIELD MATERIAL TO TIN PLATED

1b	2-7-11	MS	SDJ	RJB	MS		2-7-11 ECO 52913

CUSTOMER DRAWING

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

"μSTATION"

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
		PDW	12-19-06
FINISH ———		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
.044 (1.13mm) CABLE O.D.

SHEET 2 OF 2

DRAWING NO.
B - 415-0086-001/999

Mouser Electronics

Authorized Distributor

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