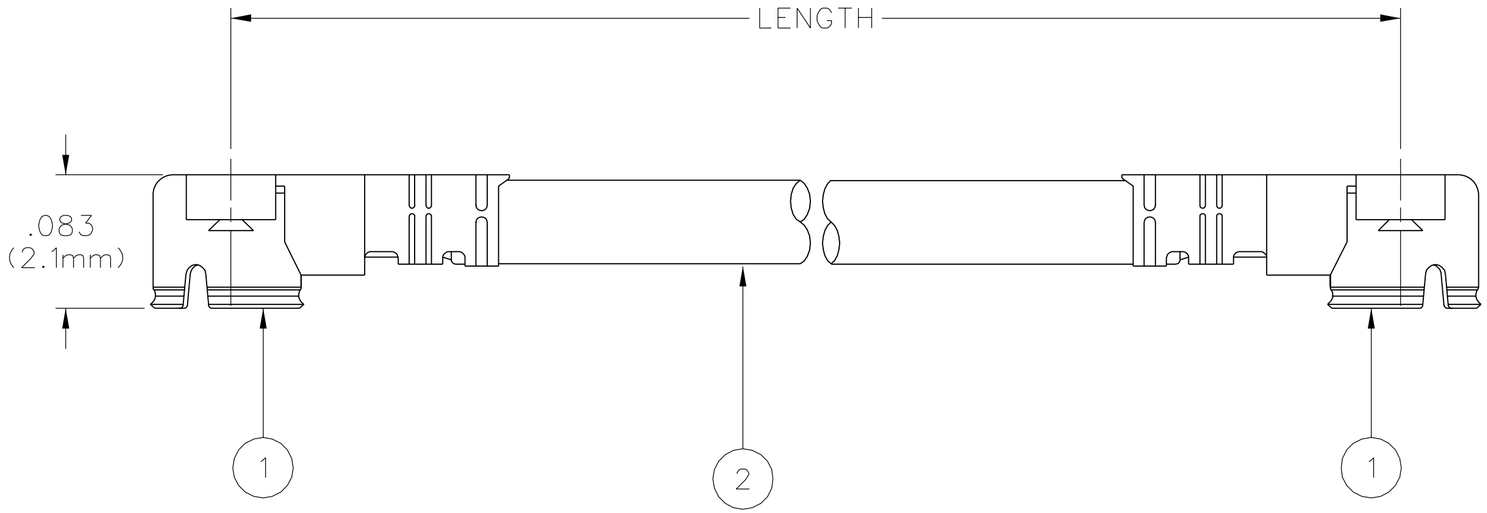
PART NUMBER	LENGTH	
	INCH	mm
415-0087-050	1.97±.16	50±4
415-0087-100	3.94±.16	100±4
415-0087-150	5.91±.16	150±4
415-0087-200	7.87±.16	200±4
415-0087-250	9.84±.31	250±8
415-0087-300	11.81±.31	300±8
415-0087-500	19.69±.31	500±8

ITEM ① UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE	ITEM ② CABLE
BODY - COPPER ALLOY - GOLD PLATED CONTACT - COPPER ALLOY - GOLD PLATED INSULATOR - PBT - BLACK, UL94V-0	FIRST SHIELD - SILVER PLATED ANNEALED COPPER WIRE SECOND SHIELD - SILVER PLATED ANNEALED COPPER WIRE DIELECTRIC - FEP CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#32 (7/.003) JACKET - FEP - BLACK



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-415-0087-001/999

0 REVISIONS

ENGINEERING RELEASE

1	10-23-06	PAT	SBD	RJB	PDW		12-20-06	ECN 50729

.082 WAS .083, INSULATOR: BLACK WAS WHITE

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

1a	1-11-07	PAT	SBD	RJB	MJU	JCN	2-8-07	ECN 50908

VERSION UPDATE

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

1b	2-26-07	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 MATERIAL TO PBT
ADD TEXT SECOND SHIELD - SILVER PLATED ANNEALED COPPER WIRE
CHANGE CONTACT HEIGHT TO .083

1c	2-7-11	MS	SDJ	RJB	MS		2-7-11	ECO 52914

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
DECIMALS .XX ——— mm ———	CHECKED BY RJB	DATE 12-13-06
.XXX ±.004 ———	APPROVED BY PDW	DATE 12-19-06
MATL ———	RELEASE DATE	12-20-06
FINISH ———	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
.052 (1.32mm) CABLE O.D.

SHEET 2 OF 2

DRAWING NO.
B-415-0087-001/999

Mouser Electronics

Authorized Distributor

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415-0087-250