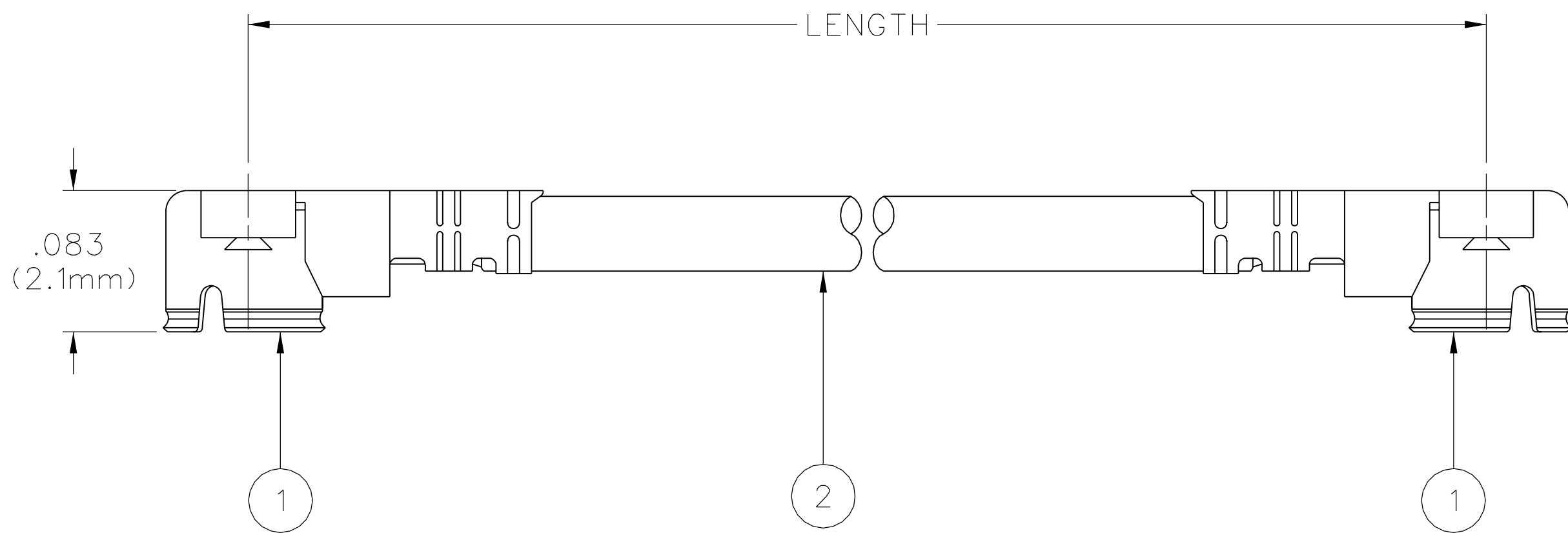


| PART NUMBER | LENGTH | | ITEM ① | ITEM ② |
|--------------|-----------|-------|--|--|
| | INCH | mm | UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE | CABLE |
| 415-0086-050 | 1.97±.16 | 50±4 | BODY - COPPER ALLOY- GOLD PLATED | SHIELD - TIN PLATED ANNEALED COPPER WIRE |
| 415-0086-100 | 3.94±.16 | 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 | | JACKET - FEP - BLACK |
| 415-0086-250 | 9.84±.31 | 250±8 | | |
| 415-0086-300 | 11.81±.31 | 300±8 | | |
| 415-0086-500 | 19.69±.31 | 500±8 | | |

| | | | |
|--|----------|--------------------|-------------|
| DRAWING NO. | | B-415-0086-001/999 | |
| 0 | | REVISIONS | |
| ENGINEERING RELEASE | | | |
| 1 | 10-20-06 | P A T | S B D |
| | | R J B | P D W |
| | | | 12-20-06 |
| | | | ECN 50731 |
| VERSION UPDATE | | | |
| ***** | | | |
| * REVISION NUMBER FOLLOWED BY AN ALPHA * | | | |
| * CHARACTER INDICATES DRAWING CLARIFI- | | | |
| * CATION OR PART NUMBER ADDITION ONLY. * | | | |
| ***** | | | |
| 1a | 2-20-07 | P A T | S B D |
| | | R J B | M J U |
| | | J C N | 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 | M S | S D J |
| | | R J B | M S |
| | | | 2-7-11 |
| | | | ECO 52913 |



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

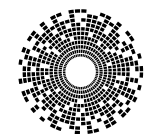
CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

| | | | |
|--------------------------------------|-------|--------------|----------|
| TOLERANCE UNLESS OTHERWISE SPECIFIED | | DRAWN BY | 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 <small>CONNECTIVITY SOLUTIONS</small> <small>a bel group</small> | 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 | |

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