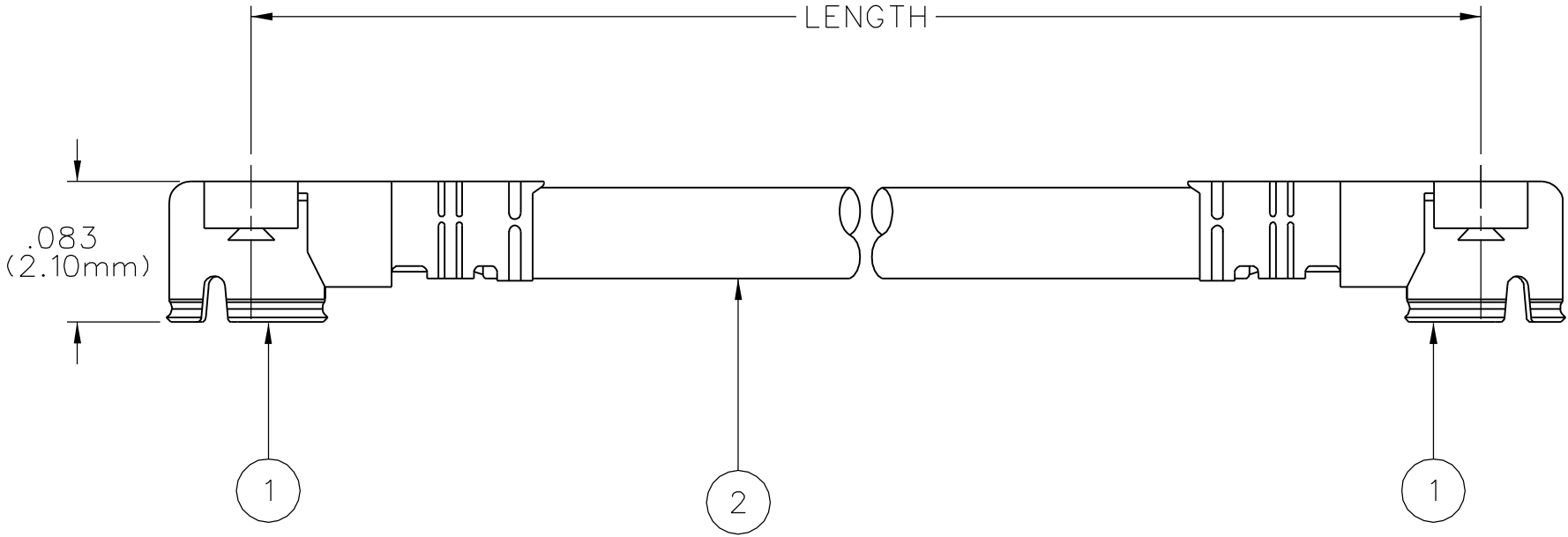


| PART NUMBER   | LENGTH    |         | ITEM ①                                                                                                                         |  | ITEM ②                                                                 |  |
|---------------|-----------|---------|--------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------|--|
|               | INCH      | mm      | UMC RIGHT ANGLE PLUG CONNECTOR, MEDIUM PROFILE                                                                                 |  | CABLE                                                                  |  |
| 415-0088-050  | 1.97±.16  | 50±4    | BODY - COPPER ALLOY - GOLD PLATED<br>CONTACT - COPPER ALLOY - GOLD PLATED<br>INSULATOR - PBT - BLACK OR NATURAL WHITE, UL94V-0 |  | SHIELD - TIN PLATED ANNEALED COPPER WIRE                               |  |
| 415-0088-083  | 3.27±.16  | 83±4    |                                                                                                                                |  | DIELECTRIC - FEP                                                       |  |
| 415-0088-100  | 3.94±.16  | 100±4   |                                                                                                                                |  | CENTER CONDUCTOR - SILVER PLATED ANNEALED COPPER WIRE, AWG#30 (7/.004) |  |
| 415-0088-150  | 5.91±.16  | 150±4   |                                                                                                                                |  |                                                                        |  |
| 415-0088-200  | 7.87±.16  | 200±4   |                                                                                                                                |  | JACKET - FEP - BLACK                                                   |  |
| 415-0088-250  | 9.84±.31  | 250±8   |                                                                                                                                |  |                                                                        |  |
| 415-0088-300  | 11.81±.31 | 300±8   |                                                                                                                                |  |                                                                        |  |
| 415-0088-500  | 19.69±.31 | 500±8   |                                                                                                                                |  |                                                                        |  |
| 415-0088-1220 | 48.03±.71 | 1220±18 |                                                                                                                                |  |                                                                        |  |



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 - 415-0088-001/XXXX                                                                                                                                   |          |             |             |             |             |             |          |           |  |
| 0                                                                                                                                                       |          | REVISIONS   |             |             |             |             |          |           |  |
| JACKET - FEP - BLACK WAS WHITE                                                                                                                          |          |             |             |             |             |             |          |           |  |
| *****                                                                                                                                                   |          |             |             |             |             |             |          |           |  |
| * REVISION NUMBER FOLLOWED BY AN ALPHA *                                                                                                                |          |             |             |             |             |             |          |           |  |
| * CHARACTER INDICATES DRAWING CLARIFI-                                                                                                                  |          |             |             |             |             |             |          |           |  |
| * CATION OR PART NUMBER ADDITION ONLY. *                                                                                                                |          |             |             |             |             |             |          |           |  |
| *****                                                                                                                                                   |          |             |             |             |             |             |          |           |  |
| 1b                                                                                                                                                      | 3-26-07  | P<br>A<br>T | S<br>B<br>D | R<br>J<br>B | M<br>J<br>U | J<br>C<br>N | 4-23-07  | ECN 50953 |  |
| ADDED P/N: 415-0088-083,BODY-<br>COPPER ALLOY WAS PHOSPHOR<br>BRONZE, CONTACT- COPPER<br>ALLOY WAS BRASS, INSULATOR-<br>PBT- NATURAL WAS LCP- WHITE     |          |             |             |             |             |             |          |           |  |
| *****                                                                                                                                                   |          |             |             |             |             |             |          |           |  |
| * REVISION NUMBER FOLLOWED BY AN ALPHA *                                                                                                                |          |             |             |             |             |             |          |           |  |
| * CHARACTER INDICATES DRAWING CLARIFI-                                                                                                                  |          |             |             |             |             |             |          |           |  |
| * CATION OR PART NUMBER ADDITION ONLY. *                                                                                                                |          |             |             |             |             |             |          |           |  |
| *****                                                                                                                                                   |          |             |             |             |             |             |          |           |  |
| 1c                                                                                                                                                      | 1-21-08  | P<br>A<br>T | R<br>J<br>B | M<br>J<br>U | R<br>B      | J<br>C<br>N | 1-25-08  | ECN 51347 |  |
| ADD MEDIUM PROFILE TO ITEM 1 BLOCK<br>CHANGE INSULATOR COLOR TO NATURAL WHIT<br>CHANGE SHIELD MATERIAL TO TIN PLATED<br>CHANGE CONNECTOR HEIGHT TO .083 |          |             |             |             |             |             |          |           |  |
| 1d                                                                                                                                                      | 2-7-11   | M<br>S      | S<br>D<br>J | R<br>J<br>B | M<br>S      |             | 2-7-11   | ECO 52915 |  |
| ADDED: BLACK. DELETED VENDOR REFERENCE<br>+/- .006 WAS +/- .004                                                                                         |          |             |             |             |             |             |          |           |  |
| 2                                                                                                                                                       | 10-3-12  | M<br>S      | R<br>J<br>B | M<br>J<br>U |             |             | 10-17-12 | ECO 54381 |  |
| ADDED P/N 415-0088-1220                                                                                                                                 |          |             |             |             |             |             |          |           |  |
| 3                                                                                                                                                       | 11-26-12 | M<br>S      | R<br>J<br>B | S<br>J      | M<br>J<br>U |             | 10-27-12 | ECO 54479 |  |

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

|                                      |       |              |          |                                                                                                                                             |  |                                                                                     |  |
|--------------------------------------|-------|--------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------|--|
| TOLERANCE UNLESS OTHERWISE SPECIFIED |       | DRAWN BY     | DATE     |  <b>cinch</b><br>CONNECTIVITY SOLUTIONS<br>a bel group |  | Cinch Connectivity Solutions<br>P.O. Box 1732<br>Waseca, MN 56093<br>1-800-247-8256 |  |
| DECIMALS                             | mm    | CHECKED BY   | DATE     |                                                                                                                                             |  |                                                                                     |  |
| .XX _____                            | ±0.15 | RJB          | 12-13-06 | TITLE                                                                                                                                       |  | UMC MATING CABLE PLUG<br>.098 (2.5mm) MATING HEIGHT<br>.054 (1.37mm) CABLE O.D.     |  |
| .XXX ±.006                           | _____ | APPROVED BY  | DATE     | SHEET                                                                                                                                       |  | DRAWING NO.                                                                         |  |
| MATL                                 | _____ | PDW          | 12-20-06 |                                                                                                                                             |  |                                                                                     |  |
| FINISH                               | _____ | RELEASE DATE | 12-20-06 | 2 OF 2                                                                                                                                      |  | B - 415-0088-001/XXXX                                                               |  |
|                                      |       | U/M          | INCH     |                                                                                                                                             |  |                                                                                     |  |
|                                      |       | SCALE        | 10:1     |                                                                                                                                             |  |                                                                                     |  |