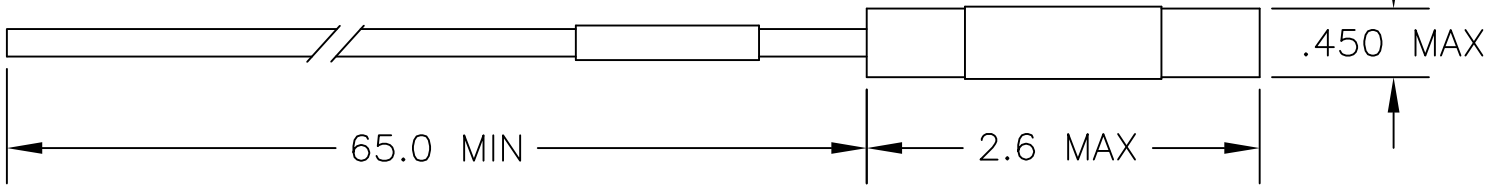
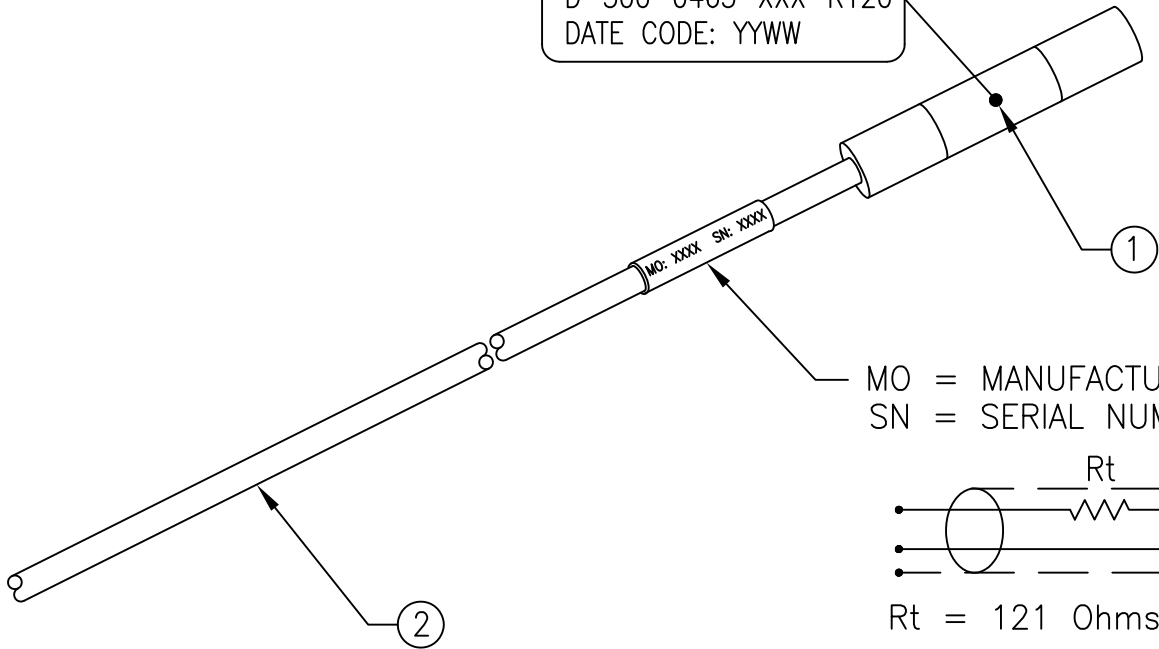


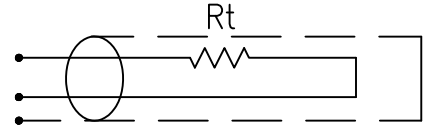
| REVISIONS | | | |
|-----------|--|-----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| F | REVISED PER ECO-09-026060 | 11/20/09 | ECHEN |
| H | REVISED WEIGHT, NOTE 4.1 SEE ECO-15-012266 | 8/24/2015 | LR |



Raychem 06090
D-500-0463-XXX-R120
DATE CODE: YYWW



MO = MANUFACTURING ORDER
SN = SERIAL NUMBER



Rt = 121 Ohms ±1% 1W

SCHEMATIC

- ① TERMINATOR MODULE, SEALED, STRAIN RELIEVED, BLACK.
- ② RAYCHEM CABLE, WHITE JACKET.

| PART No. | DESCRIPTION | BUS CABLE | CABLE DESCRIPTION (REF) |
|---------------------|-------------|-------------|-------------------------------------|
| D-500-0463-H44-R120 | | 2022H4424-9 | 22 AWG, WITH DOUBLE OPTIMIZED BRAID |
| D-500-0463-J24-R120 | | 2024J2424-9 | 24 AWG, WITH SINGLE FLAT BRAID |
| D-500-0463-J14-R120 | | 2024J1424-9 | 24 AWG, WITH SINGLE ROUND BRAID |
| D-500-0463-G24-R120 | | 2026G2424-9 | 26 AWG, WITH SINGLE OPTIMIZED BRAID |

If this document is printed it becomes uncontrolled. Check for the latest revision

© 2009-2015 Tyco Electronics Corporation. All Rights Reserved.

Raychem Databus CUSTOMER DRAWING

| | | | |
|--|----------|---------------------------|---------|
| DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE INCHES. METRIC DIMENSIONS ARE IN BRACKETS. DECIMALS .XXX ± --- [---mm] .XX ± --- [---mm] ANGLES .X ± --- | DRAWN | G.Rositano | 9/19/05 |
| | APPROVED | T.Ratzlaff | 9/19/05 |
| | MATERIAL | SEE NOTE 1 | |
| | FINISH | SEE NOTE 1 | |
| | CAD NAME | D-500-0463-XXX-R120a_CD_G | |

| | | |
|---|------------|---------------------|
| | | |
| TE Connectivity | | |
| TITLE | | |
| 120 OHM CANBUS TERMINATOR LIGHTWEIGHT SYSTEM | | |
| SIZE | CAGE CODE: | DWG. NO. |
| A | 06090 | D-500-0463-XXX-R120 |

ASSEMBLY WEIGHT
WITHOUT CABLE:
5.2g (SEE NOTE 4.0)

THIRD ANGLE
PROJECTION

| | |
|---------------------------|--------------|
| DO NOT SCALE THIS DRAWING | SHEET 1 OF 2 |
|---------------------------|--------------|

1.0 MATERIALS AND FINISHES

1.1 TERMINATOR, WITH 1W RESISTOR, PART NO. RWR81N1210FR TO MIL-PRF-39007/9, SHIELDED USING TIN COATED COPPER BRAID AND Sn96 SOLDER PER ANSIIJ-STD-006.

1.2 SEALED STRAIN RELIEF COVER, MODIFIED CROSS LINKED ELASTOMER THAT MEETS THE PERFORMANCE REQUIREMENTS OF RAYCHEM SPEC. RT-1325.

1.3 GENERAL CABLE DESCRIPTION:

120 Ohm, 19 STRANDS OF 34 AWG, SILVER PLATED, TWISTED PAIR CONDUCTORS. WHITE/BLUE DIELECTRICS, WITH FILLERS. FLAT OR ROUND TIN PLATED SHIELD OR SHIELDS. WHITE ETFE JACKET.

REFER TO CABLE SPECIFICATION FOR DETAILED CABLE PROPERTIES.

2.0 CABLE SPLICING/BENDING:

2.1 FOR 2022H4424-9 CABLE, USE SPLICE KIT D-150-0330 (ORDERED SEPARATELY).
FOR 2024J2424-9 CABLE, USE SPLICE KIT D-150-0331 (ORDERED SEPARATELY).
FOR 2024J1424-9 CABLE, USE SPLICE KIT D-150-0331 (ORDERED SEPARATELY).
FOR 2026G2424-9 CABLE, USE SPLICE KIT D-150-0333 (ORDERED SEPARATELY).

2.2 CABLES BEND RADIUS PER SAE-AS50881, STATIC 5 X CABLE OD. MIN.
DYNAMIC 10 X CABLE OD. MIN.

3.0 TEMPERATURE

3.1 CABLE/STRAIN RELIEF COVER MEETS OPERATING TEMPERATURE OF -65° TO 150°C CONTINUOUS.

4.0 ASSEMBLY WEIGHTS

4.1 TOTAL ASSEMBLY WEIGHTS INCLUDING CABLE:
FOR 2022H4424-9 CABLE: 83.7 g MAX
FOR 2024J2424-9 CABLE: 41.8 g MAX
FOR 2024J1424-9 CABLE: 53.0 g MAX
FOR 2026G2424-9 CABLE: 31.4 g MAX


5.0 RESISTOR ELECTRICAL PERFORMANCE (FOR REFERENCE ONLY)

5.1 MAXIMUM EFFECTIVE SERIES INDUCTANCE: .37µH.

5.2 MAXIMUM EFFECTIVE PARALLEL CAPACITANCE: 1.5pF.

If this document is printed it becomes uncontrolled. Check for the latest revision

© 2009-2015 Tyco Electronics Corporation. All Rights Reserved. Raychem Databus CUSTOMER DRAWING

| | | | | | |
|---------------------------------------|---|---------------------------|-----------------|---------------------|-----|
| DRAWN G.Rositano |  | SIZE | CODE IDENT. NO. | DWG. NO. | REV |
| DATE 9/19/05 | | A | 06090 | D-500-0463-XXX-R120 | H |
| CAD FILE D-500-0463-XXX-R120b_CD_H | | DO NOT SCALE THIS DRAWING | | SHEET 2 OF 2 | |