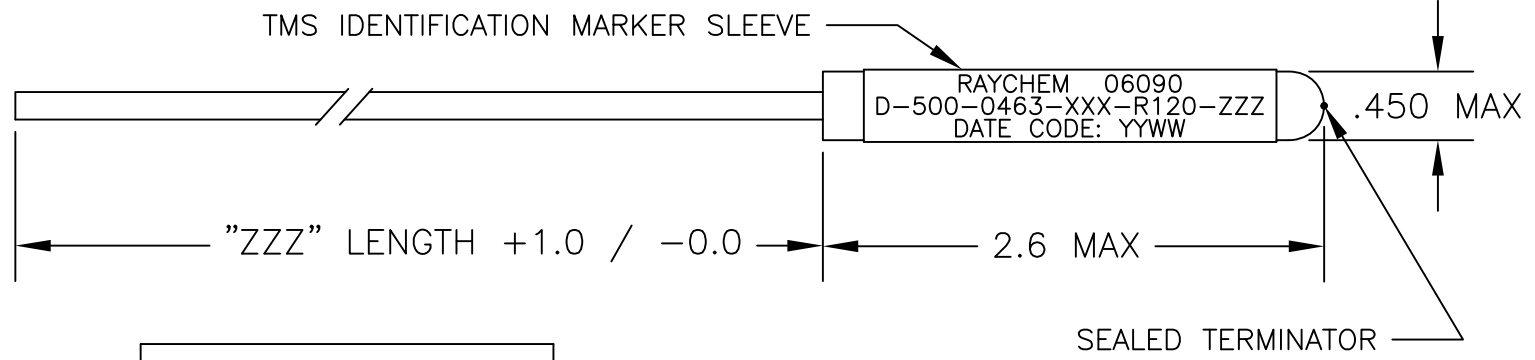


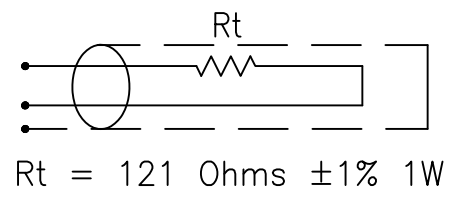
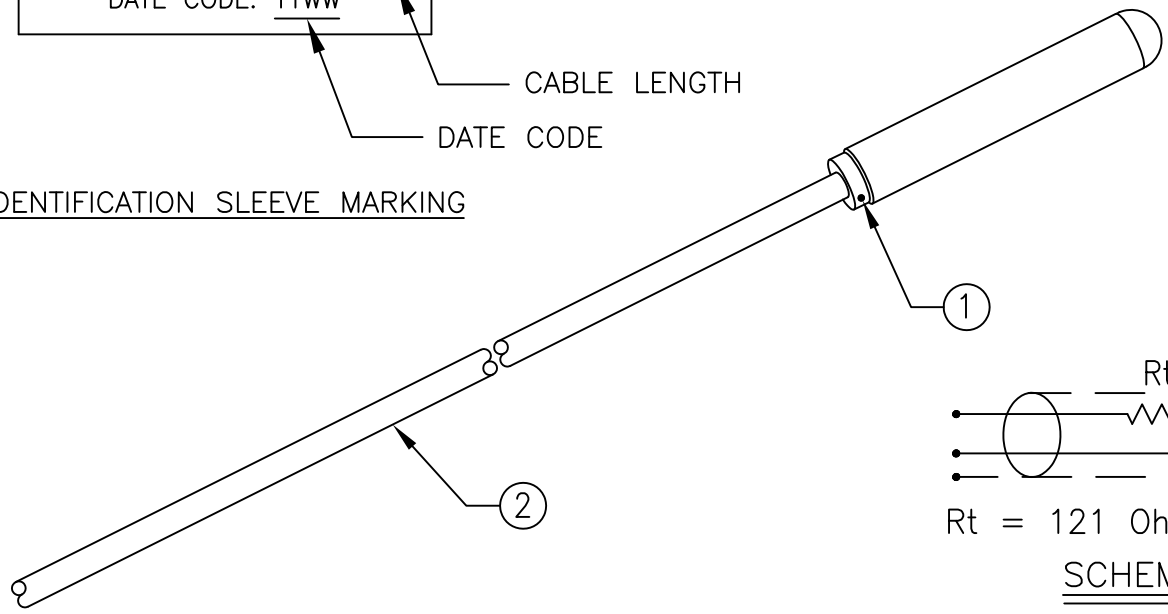
| REVISIONS | | |
|-----------|---|------------|
| REV | DESCRIPTION | DATE |
| B1 | REVISED PER ECO-13-012242 | 29July2013 |
| C | REVISED LABEL MARKING PER ECO-16-003621 | 09Mar2016 |



RAYCHEM 06090
D-500-0463-XXX-R120-ZZZ
DATE CODE: YYWW

CABLE LENGTH
DATE CODE

IDENTIFICATION SLEEVE MARKING



SCHEMATIC

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

| PART No. | DESCRIPTION | BUS CABLE | CABLE DESCRIPTION (REF) |
|-------------------------|-------------|-------------|-------------------------------------|
| D-500-0463-H24-R120-ZZZ | | 2026H242A-9 | 26 AWG, WITH SINGLE OPTIMIZED BRAID |
| D-500-0463-J24-R120-ZZZ | | 2024J2424-9 | 24 AWG, WITH SINGLE FLAT BRAID |
| D-500-0463-H44-R120-ZZZ | | 2022H4424-9 | 22 AWG, WITH DOUBLE OPTIMIZED BRAID |

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Raychem Canbus CUSTOMER DRAWING

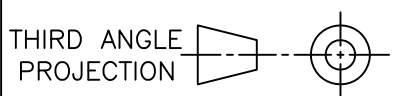
| | | | |
|---|------------|--------|------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS. DECIMALS .XXX ± --- [mm] .XX ± --- [mm] ANGLES .X ± --- | DRAWN | E.CHEN | 01FEB11 |
| | MATERIAL | | |
| | SEE NOTE 1 | | |
| | FINISH | | |
| | | | SEE NOTE 1 |
| CAD NAME | | | |
| D-500-0463-XXX-R120-ZZZa_CD_C | | | |



TE Connectivity

TITLE
120 OHM CANBUS TERMINATOR
LIGHT WEIGHT SYSTEM

ASSEMBLY WEIGHT
WITHOUT CABLE: 5.8 g
(SEE NOTE 4.0)



| | | |
|------|------------|-------------------------|
| SIZE | CAGE CODE: | DWG. NO. |
| A | 06090 | D-500-0463-XXX-R120-ZZZ |

NOTES:

1.0 MATERIALS AND FINISHES

1.1 TERMINATOR, WITH 1W RESISTOR, PART NO. RWR81N1210FR TO MIL-PRF-39007/9, SHIELDED USING STAINLESS STEEL CAP AND SN96 SOLDER PER ANSI J-STD-006.

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

1.3 GENERAL CABLE DESCRIPTION:

120 Ohm, SILVER PLATED, TWISTED PAIR CONDUCTORS. WHITE/BLUE OR WHITE/LIGHT VIOLET DIELECTRICS WITH FILLERS. TIN PLATED SHIELD OR SHIELDS. WHITE FEP JACKET.

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 2026H242A-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 (AT 65 INCH LENGTH):
FOR 2022H4424-9 CABLE: 83.7 g MAX
FOR 2024J2424-9 CABLE: 42.8 g MAX
FOR 2026H242A-9 CABLE: 33.9 g MAX

5.0 RESISTOR ELECTRICAL PERFORMANCE (FOR REFERENCE ONLY)

5.1 MAXIMUM EFFECTIVE SERIES INDUCTANCE: .37 μH.

5.2 MAXIMUM EFFECTIVE PARALLEL CAPACITANCE: 1.5pF.

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| | | | | | | |
|---|---------------------------|---|---------------------------------|-------------------------------------|----------|--|
| DRAWN E.CHEN | |  | Raychem Canbus CUSTOMER DRAWING | | | |
| DATE 01FEB2011 | SIZE A | | CAGE CODE: 06090 | DWG. NO. D-500-0463-XXX-R120-ZZZ | REV C | |
| CAD FILE D-500-0463-XXX-R120-ZZZb_CD_C | DO NOT SCALE THIS DRAWING | | | SHEET 2 OF 2 | | |