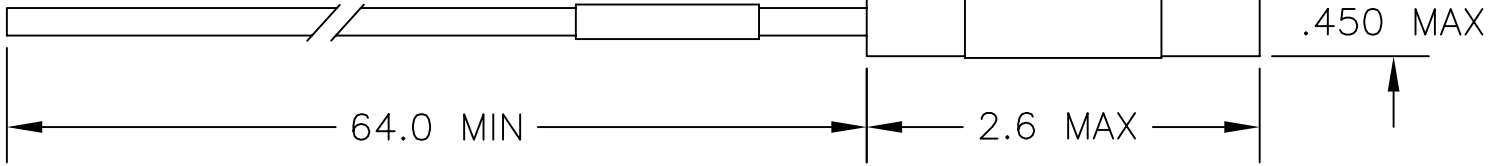
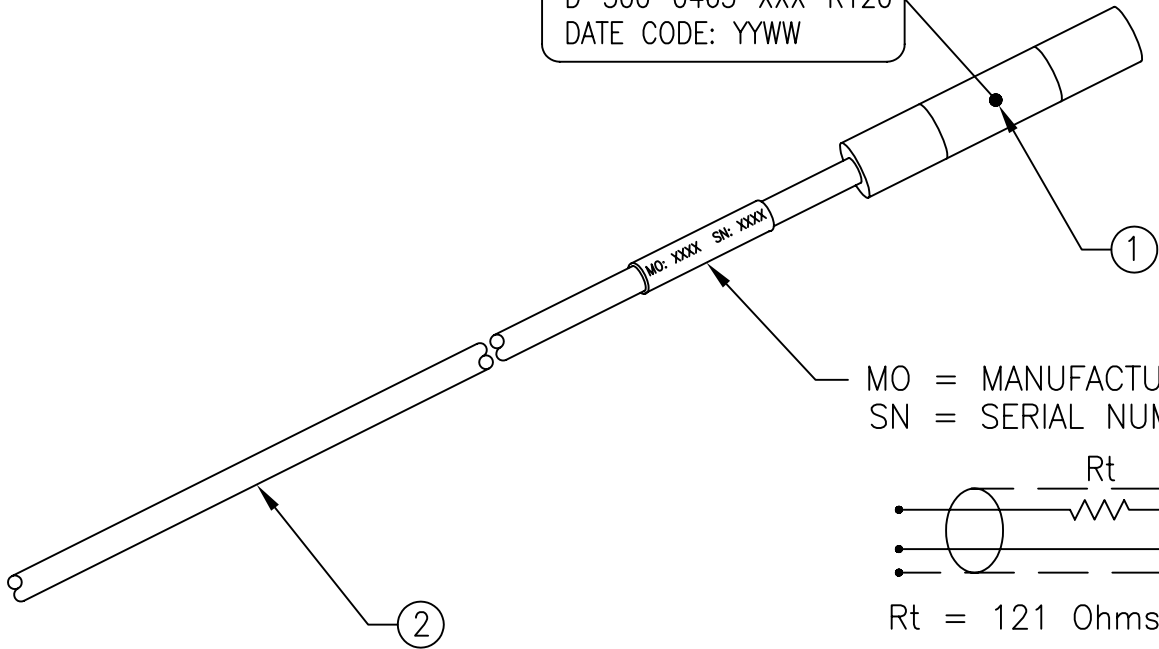


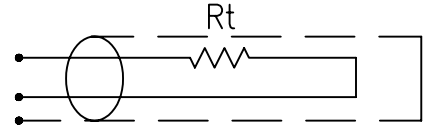
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED DWG PER DCR C061418	11/7/06	GMR
F	REVISED PER ECO-09-026060	11/20/09	ECHEN



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

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CUSTOMER DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
METRIC DIMENSIONS ARE
IN BRACKETS.

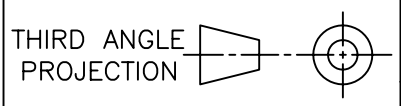
DECIMALS
.XXX ± --- [mm]
.XX ± --- [mm]
ANGLES
.X ± ---

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.dwg	

RAYCHEM DATABUS PRODUCTS
300 Constitution Dr
Menlo Park, CA 94025

TITLE
120 OHM CANBUS TERMINATOR
LIGHT WEIGHT SYSTEM

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



SIZE	CAGE CODE:	DWG. NO.
A	06090	D-500-0463-XXX-R120
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 ANSII-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: 49.5 g MAX
FOR 2026G2424-9 CABLE: 31.4 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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CUSTOMER DRAWING			
<small>DRAWN</small> G.Rositano	<small>DATE</small> 9/19/05	<small>SIZE</small> A	<small>CAGE CODE:</small> 06090
<small>CAD FILE</small> D-500-0463-XXX-R120b.dwg		<small>DWG. NO.</small> D-500-0463-XXX-R120	<small>REV</small> F
<small>DO NOT SCALE THIS DRAWING</small>		<small>SHEET 2 OF 2</small>	