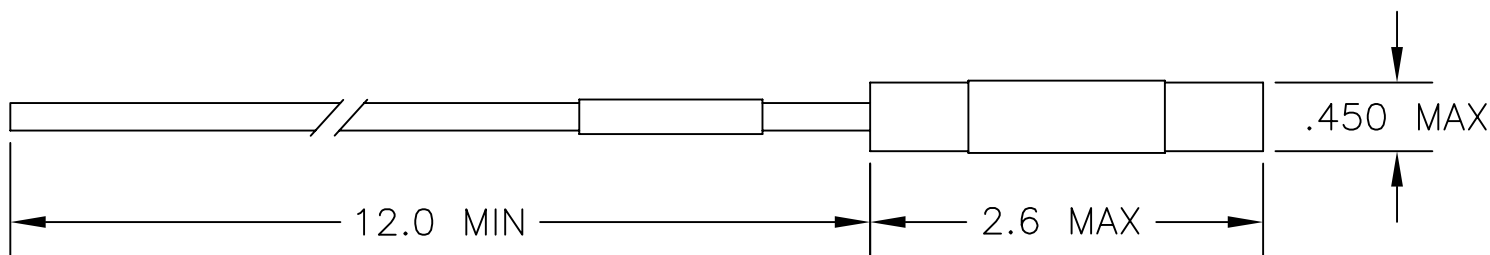
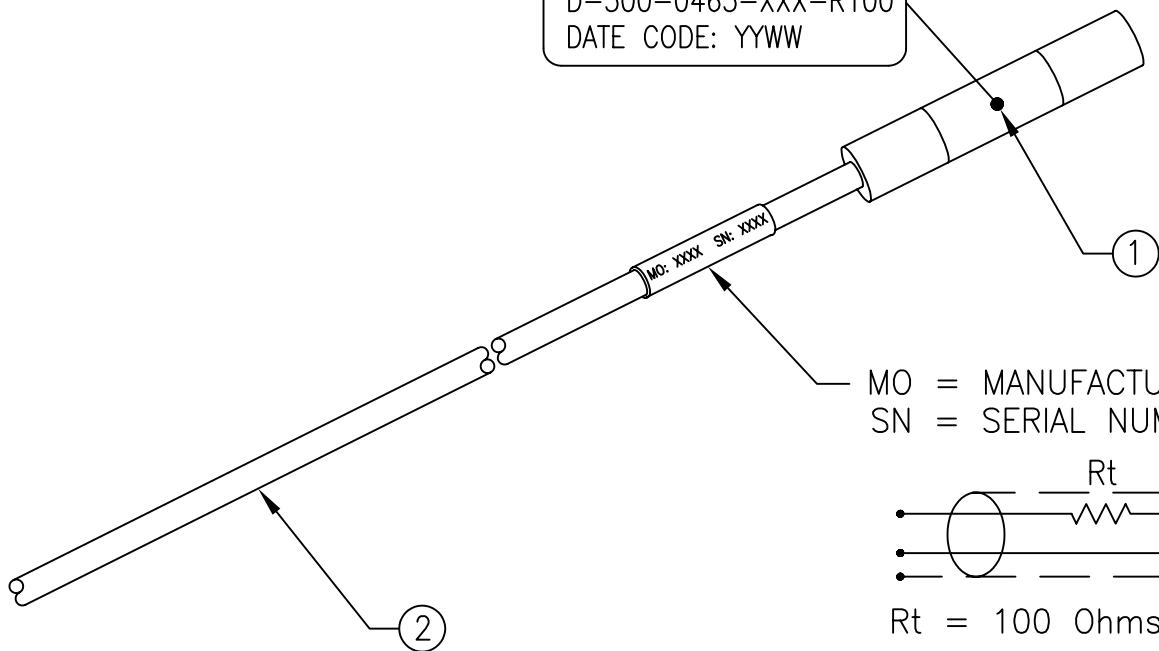


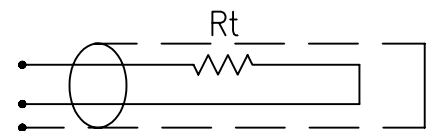
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED DWG PER DCR No. C070012	1/24/07	GMR



Raychem 06090
D-500-0463-XXX-R100
DATE CODE: YYWW



MO = MANUFACTURING ORDER
SN = SERIAL NUMBER



Rt = 100 Ohms ±5% 1W

SCHEMATIC

- ① TERMINATOR MODULE, SEALED, STRAIN RELIEVED, BLACK.
- ② RAYCHEM CABLE, WITH TRANSLUCENT BLUE JACKET.

PART No.	DESCRIPTION	BUS CABLE	CABLE DESCRIPTION
D-500-0463-F24-R100		0024F2424-6X	24 AWG, WITH SINGLE SHIELD
D-500-0463-F44-R100		0024F4424-6X	24 AWG, WITH DOUBLE SHIELD

SPECIFICATION CONTROL DRAWING

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS. DECIMALS .XXX ± --- [mm] .XX ± --- [mm] ANGLES .X ± ---	DRAWN	G.Rositano	11/9/06		Tyco Electronics Corporation 300 Constitution Drive Menlo Park, CA. 94025 U.S.A.	
	APPROVED	T.Ratzlaff	11/9/06			
	MATERIAL	SEE NOTE 1			TITLE 100 OHM EIA/TIA-485 TERMINATOR SYSTEM	
	FINISH	SEE NOTE 1				
CAD NAME	C070012A			SIZE	CAGE CODE:	DWG. NO.
ASSEMBLY WEIGHT WITHOUT CABLE: 5.2 g (SEE NOTE 4.0)	THIRD ANGLE PROJECTION			A	06090	D-500-0463-XXX-R100
DO NOT SCALE THIS DRAWING					SHEET 1 OF 2	

1.0 MATERIALS AND FINISHES

1.1 TERMINATOR, WITH 1W RESISTOR, PART NO. RWR81N1000FR 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 CABLE DESCRIPTIONS:

0024F2424-6X: 100 Ohm, 24 Awg, 19 STRANDS OF 36 Awg, SILVER PLATED, 2 CONDUCTOR, WHITE/BLUE DIELECTRICS, WITH FILLERS. SINGLE TIN PLATED SHIELD. TRANSLUCENT BLUE ETFE JACKET, WITH OD. OF .129 NOMINAL.

0024F4424-6X: 100 Ohm, 24 Awg, 19 STRANDS OF 36 Awg, SILVER PLATED, 2 CONDUCTOR, WHITE/BLUE DIELECTRICS, WITH FILLERS. DOUBLE TIN PLATED SHIELDS, ONE FLAT AND ONE ROUND. TRANSLUCENT BLUE ETFE JACKET, WITH OD. OF .146 NOMINAL.

2.0 CABLE SPLICING/BENDING:

2.1 FOR CABLE SPLICING, USE SPLICE KIT D-150-0331 (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 WEIGHT INCLUDING CABLE:
WITH 24 AWG CABLE: 16.7 g MAX


5.0 RESISTOR ELECTRICAL PERFORMANCE (FOR REFERENCE ONLY)

5.1 MAXIMUM EFFECTIVE SERIES INDUCTANCE: .37 μ H.

5.2 MAXIMUM EFFECTIVE PARALLEL CAPACITANCE: 1.5pF.

SPECIFICATION CONTROL DRAWING

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DRAWN G.Rositano	DATE 11/9/06	SIZE A	CAGE CODE: 06090	DWG. NO. D-500-0463-XXX-R100	REV B
CAD FILE C070012B			DO NOT SCALE THIS DRAWING		SHEET 2 OF 2