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ECP	ECR	REV. DATE	REV. LET.	REVISION	REV. BY	CHK BY	APPROVE BY
		02-09-11	A	SEE DWA 24083-000.	WAL	ENG	DA
		02-09-11	A	SEE DWA 24083-000A.	WAL	ENG	DA

UNCONTROLLED COPY
REVISION BECAUSE

NOTES:

THE SUPPLIER SHALL SUBMIT A TEST DATA SHEET ALONG WITH THE CERTIFICATE OF COMPLIANCE.

TWO CONDUCTOR, TWISTED PAIR, NOISE TREATED, SHIELDED CABLE.

DESCRIPTION:

CONDUCTORS: 20 AWG (19/32) SILVER PLATED ANNEALED COPPER WIRE, ϕ .035 NOMINAL.

PRIMARY LOW NOISE BARRIER (ON TEFLON TFE BASES).

PRIMARY INSULATION: TAPED AND SINTERED TFE, .010 WALL THICKNESS, SECONDARY LOW NOISE BARRIER ON TFE BASES.

CABLE LAY UP: 2 CONDUCTORS TWISTED WITH A LEFT HAND LENGTH OF LAY 1.5 NOMINAL.

CONDUCTOR INSULATION COLORS: RED AND WHITE.

TERTIARY LOW NOISE BARRIER ON TFE BASES APPLIED OVER THE TWISTED PAIR.

SHIELD: BRAIDED ANNEALED COPPER WIRES, 38 AWG, 90% COVERAGE, NICKEL (NI) PLATED, BRAID ANGLE 15°-30°.

JACKET: CROSS WRAPPED AND SINTERED TFE TAPE, COLOR RED. OVERALL CABLE ϕ .17-.21.

SPECIFICATIONS:

CAPACITY:
 CONDUCTOR TO CONDUCTOR AT AMBIENT: 70pF/FT MAXIMUM
 CONDUCTOR TO SHIELD AT AMBIENT: 140pF/FT MAXIMUM
 CONDUCTOR TO CONDUCTOR AT +500°F: 68pF/FT MAXIMUM
 CONDUCTOR TO SHIELD AT +500°F: 135pF/FT MAXIMUM

INSULATION RESISTANCE:
 CONDUCTOR TO CONDUCTOR AT AMBIENT: 200G \cdot OHMS/FT MIN
 CONDUCTOR TO SHIELD AT AMBIENT: 200G \cdot OHMS/FT MIN
 CONDUCTOR TO CONDUCTOR AT +500°F: 200G \cdot OHMS/FT MIN
 CONDUCTOR TO SHIELD AT +500°F: 200G \cdot OHMS/FT MIN

WEIGHT:
 32 POUNDS PER 1000 FEET

NOISE LEVEL:
 WHEN TESTED DIFFERENTIALLY BETWEEN CONDUCTORS NOT TO EXCEED 1.0pk-pk pC.

24083-000		PART NUMBER	
Laboratories, Inc. BRANFORD, CT 06405-0010			
DATE 98-08-25		APPROVALS WAL	REV. 24083-000
DESIGN -	CHECKED -	DATE 98-09-03	SCALE NONE
TITLE CABLE, ELECT, ACCELEROMETER, LOW NOISE, 20GA SJPR	WAL	98-09-03	REV. A
ALL DIMENSIONS TO BE TO UNLESS OTHERWISE SPECIFIED	DO NOT SCALE DRAWING	98-09-03	
UNLESS OTHERWISE SPECIFIED	FINISH SPEC.	98-09-03	
TOLERANCES UNLESS NOTED	USED ON		
FRACTIONS 1/16, 1/32, 1/64	APPLICATION		
DECIMALS .001, .002, .005, .010, .015, .030, .045, .060, .075, .090, .125, .150, .1875, .250, .3125, .375, .500	24115-000 24114-000		
ALL DIMENSIONS UNLESS NOTED TO BE TO UNLESS OTHERWISE SPECIFIED	NEXT ASSEMBLY		
DO NOT SCALE DRAWING	PREPARED UNDER CONTRACT		
MATERIAL SPEC.			