

NATIONAL
WIRE & CABLE CP.
136 SAN FERNANDO RD.
LOS ANGELES 31, CALIF.
PHONE: CA 5-5611

TITLE:

MULTICONDUCTOR CABLE

TOTAL CONDS: 7

DRAWN: PB

DATE: 12-12-79

APPROVED: *KJM*

DRAWING

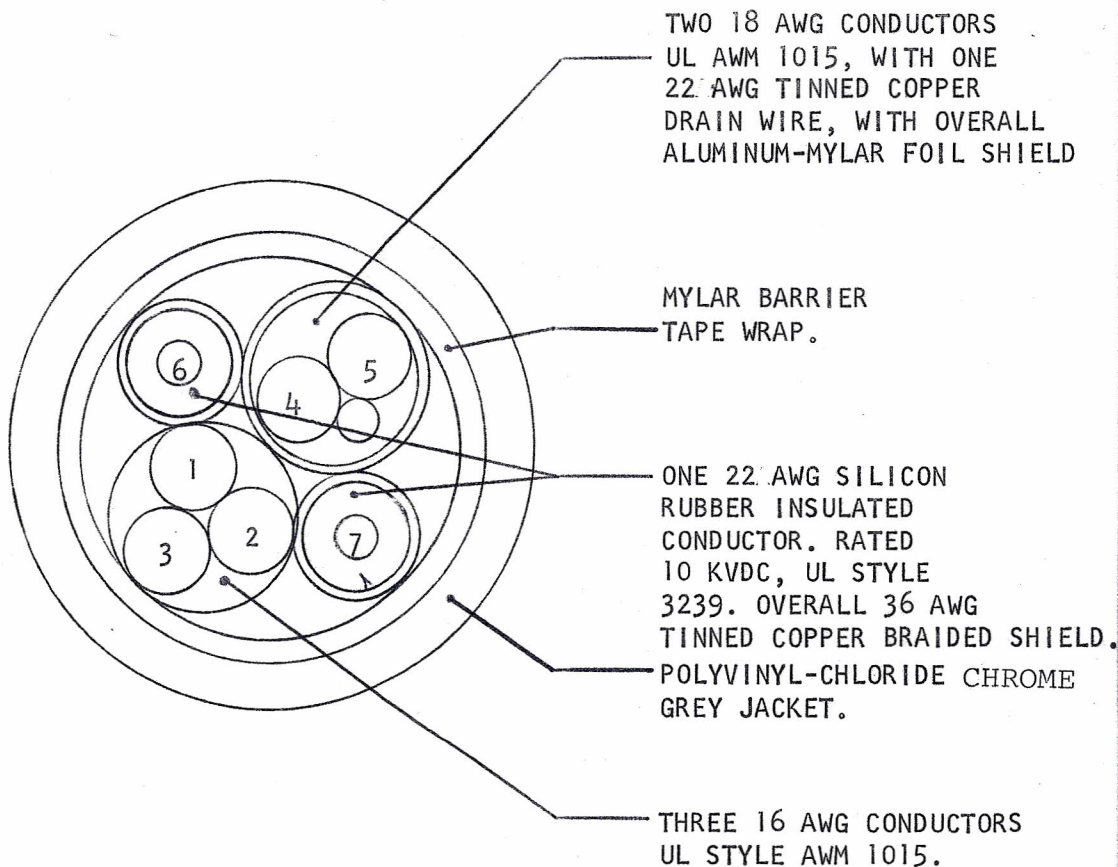
NO. S10-1950

REV. **A**

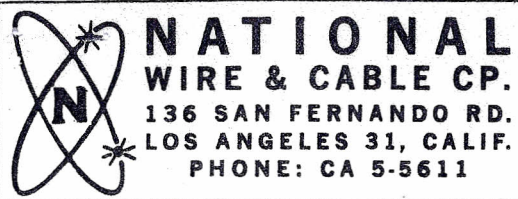
SHEET 1

OF 2

TYPICAL CROSSECTION



**UNCONTROLLED
COPY**



TITLE:
 CABLE: SPECIAL PURPOSE
TOTAL CONDS: 7 **DRAWN:** *[Signature]*
DATE: 10-11-76 **APPROVED:** *[Signature]*

DRAWING
 NO. S10-1950 REV. A
 SHEET 2 OF 2

ITEM	NO. OF CONDS	GAUGE	STRAND	TYPE	COMPLEX	MIL-SPEC	NOM OD	MISCELLANEOUS
1	3	16	19x29	DU	twisted trio	MIL-W-16878	.260"	UL 1015: rated 600V, 105°C.
2	2	18	19x30	DU	TPS	MIL-W-16878	.220"	Twisted pair, 22AWG drain wire + alum-mylar shield.
3	1	22	19x34	UL 3239	single shielded		.135"	SINGLE CONDUCTOR WITH Shield: 36AWG tinned copper braid, MINIMUM COVERAGE 85%. PER MIL-C-7078.

NOTES: Unless otherwise specified all filler quantities and/or sizes are approximate and may be varied to suit the layup.
 Color code: 1- white, 2- red, 3- red; 4 - blue, 5 - blue/white; 6- black, 7 - black.

LAY PATTERN

LAYER	DESCRIPTION	CODING	DIRECT	LAY LENGTH	
				MIN.	MAX.
CORE	1- item #1 + 1- item #2	1-2	LH	3"	4½"
Interstices:	2- item #3	3-4	LH	3"	4½"

UNCONTROLLED COPY

TAPE WRAP:	.001" mylar tape	50% LAP
O/A BRAID:	NOT REQUIRED	
TAPE WRAP:	NOT REQUIRED	NOMINAL FINISHED
JACKET:	Gray Polyvinyl-chloride MIL-I-3930. ID .485"WALL .060"	

ELECTRICAL TEST REQUIREMENTS:
 HI-POTENTIAL TEST @ 1200 VOLTS A.C.
 INS. RESISTANCE: 100 megohms MIN. @ 500 VOLTS D.C./1000 feet.
 CONTINUITY @6VDC

MISCELLANEOUS REQUIREMENTS: Jacket marking: National Wire & Cable Corp., Los Angeles, Cal. S10-1950 Temp rating 105C