

REV NO. 68A9379
CONT ON SHEET 2 SH NO. 1

TITLE WIRE AND CABLE - 2000V INSUL.
FIRST MADE FOR STANDARDS AM

STD. DWG. - ADDITIONS OR CHANGES TO BE MADE ONLY BY STANDARDS ENGINEERING IN DSD.

SPECIFICATIONS: THIS WIRE/CABLE TO MEET SPECIFICATION DRAWING 68A9375 (MUST BE UL RECOGNIZED WHEN AVAILABLE).

SPEC. REFERENCES:

1. Tinned Copper Conductor
2. Cross-linked Polyethylene or cross-linked polyolefin insulation
3. Voltage Rating - 2000V (Industrial rating).
4. Color Code - Per Note 1
5. For added flexibility, #6 to 1111 MCM cables are to have the UNILAY stranding construction.

NOTE 1: THE FOLLOWING TABLE LISTS EACH PART NUMBER AND THE COLOR INSULATION WITH WHICH IT IS AVAILABLE.

SIZES #20 AWG THROUGH #8 AWG ARE AVAILABLE WITH EITHER BLACK (BK) OR BROWN (BN) COLORED INSULATION.

SIZES LARGER THAN #8 AWG ARE AVAILABLE WITH BLACK (BK) INSULATION ONLY.

PART NO.	WIRE SIZE		MAX. WIRE DIA.	NOMINAL INSULATION WALL THK	MAX. CABLE G.D. INCH
	AWG	STRANDS/WIRE DIA			
20BK19	20	19/#32	.040	.045	.140
20BN19	20				
18BK19	18	19/#30	.050	.045	.150
18BN19	18				
16BK19	16	19/.0117	.060	.045	.160
16BN19	16				
14BK19	14	19/.0147	.075	.045	.175
14BN19	14				
12BK19	12	19/.0185	.093	.045	.195
12BN19	12				
10BK27	10	27/#24 or	.128	.045	.230
10BN27	10	37/.0167			
8BK37	8	37/#.0211	.150	.055	.27
8BN37	8				
6BK61	6	61/#24	.207	.055	.367
4BK105	4	105/#24	.264	.055	.405
2BK150	2	150/#24 or	.325	.055	.475
		133/.0223	.349		
0BK275	1/0	275/#24	.440	.065	.606
00BK375	2/0	375/#24	.515	.065	.655
000BK450	3/0	450/#24	.565	.065	.721
0000BK550	4/0	550/#24	.620	.065	.790

TABLE CONTINUED ON SHEET 2 OF THIS DRAWING

CONTROLLED DRAWING
PRINTS OF THIS DRAWING ARE NOT TO BE USED FOR MANUFACTURING UNLESS STAMPED IN RED WITH A COMPLETED CONTROLLED PRINT STAMP

REVISIONS

6	AR Frederick 8-30-82 ADDED MIL. SPEC. INFO
1	AR Frederick 8-5-82 CHG. MAX. O.D. #20 WIRE CHG. STRANDING #2/0 WIRE CHG. INSUL. THK #4/0 WIRE
5	AR Frederick 7-1-82 ADDED SPEC. REF. #5
2	AR Frederick 1-9-82 CHG. PER BULL 5990B
3	AR Frederick 12-3-82 CHG PER BULL 590Z
7	F.O. BARTLEY 09/20/86 REMOVE MIL SPEC
4	AR Frederick 1-24-82 ADDED 2001 TO MAX. WIRE DIA. PYS. 16 AND 14
5	AR Frederick 2-21-86 CHG PER BULL 59110

MADE BY AR Frederick	APPROVALS ART 5-14-82	DRIVE SYSTEMS	DIV OR DEPT.	68A9379
ISSUED 5-20-82		SALEM, VA.	LOCATION	CONT ON SHEET 2 SH NO. 1

REV NO. 68A9379
CONT ON SHEET FL. SH NO. 2

TITLE WIRE AND CABLE - 2000V INSUL
FIRST MADE FOR STANDARDS AM

TABLE CONTINUED FROM SH. 1 THIS DWG.

PART NO.	WIRE SIZE		MAX. COND. DIA.	NOMINAL INSULATION		MAX. CAB O.D. INCH
	AWG	STRANDS/WIRE DIA.		WALL	THK	
263BK650	263	650/#24	.660	.075		.872
313BK775	313	775/#24	.740	.075		.937
374BK925	374	925/#24	.795	.075		1.007
444BK1100	444	1100/#24	.870	.075		1.082
535BK1325	535	1325/#24	.970	.090		1.198
646BK1600	646	1600/#24	1.060	.090		1.288
777BK 1925	777	1925/#24	1.130	.090		1.388
1111BK2750	1111	2750/#24	1.370	.090		1.585
22BN19	22	#19/34	.032	.045		.132
18GY19	18	19/*30	.050	.045		.150
18BNRD19	18	19/*30	.050	.045		.150
18BNWH19	18	19/*30	.050	.045		.150

REVISIONS	
1	AR 7-9-92 CHGD. PER EUI5950B
2	AR 7-2-94 ELM. SH-3 (AM 11-11-95)
3	AR 6-6-89 ADDED PZ2BN19
4	ADDED PIBGY19 9/21/95 GLEN S. BOJARSKI
5	ADD PIBNRD19 & PIBBNWH19 GS BOJARSKI 8/15/97

SHIPPING: MINIMUM QUANTITY OF WIRE/CABLE PER REEL SHALL BE 500 FEET WITH NO MORE THAN TWO LENGTHS PER REEL. NEITHER OF THE TWO LENGTHS SHALL BE LESS THAN 100 FT.

ORDERING INFORMATION: ORDER PER DRAWING NUMBER

EXAMPLE: 6 8 A 9 3 7 9 P 5 3 5 BK 1325

BASIC NUMBER ————
 SIZE OF WIRE (AWG SIZE) ————
 COLOR OF INSULATION ————
 WIRE STRANDING ————

NOTE: INSULATION COLOR BNRD IS A BROWN WIRE WITH A RED SPIRAL STRIPE.
 INSULATION COLOR BNWH IS A BROWN WIRE WITH A WHITE SPIRAL STRIPE.

RE MADE BY AR Frederick	APPROVALS ARG. 5-14-82	Drive Systems DIV OR DEPT.	68A9379
RE ISSUED 5-20-82		Salem, Va. LOCATION	CONT ON SHEET FL. 2