FILE: ES06279 SHEET A1 AIWESA

PLAINTIFF'S EXHIBIT BIE - 250

ES- 6279, REV. 7

TYPE: UL APPROVED UNDERGROUND FEEDER (UF-B) CABLES USING THHN INNERS
#14AWG THRU #10AWG WITH GROUND 2/C AND 3/C
"SUNLIGHT RESISTANT" 600 V. ALSO NMC-B

CUSTOMER: ORDER: B-

SEQ	OPERATIONS	DESCRIPTION	DIMENSIONS
01	CONDUCTOR	SOLID, ANNEALED BARE COPPER	SEE TABLE I
02	INSULATING	APEX 853 COLORED	SEE TABLE I
		COLORS:	
		BLACK, WHITE AND RED	
		INS. COVERING:	
		CAPRON 8224 CLEAR NYLON	SEE TABLE I
		SPARK TEST:	SEE TABLE I
03	GROUND	GROUND WIRE SHALL BE SOLID ANNEALED BARE COPPER WITH THE SAME SIZE AS THE INSULATED CONDUCTORS	SEE TABLE 2
04	JACKETING	ASSEMBLY:	
		INSULATED CONDUCTORS LAID PARALLEL AND JACKETED	SEE TABLE 2
		GROUND WIRE LAID PARALLEL, TOTALLY EMBEDDED IN JACKET VALLEY, NOT DIRECTLY IN-BETWEEN THE CONDUCTORS.	
		THE GROUND WIRE SHALL NOT MAKE CONTACT WITH THE INSULATED CONDUCTORS AT ANY POINT NOR SHALL THE GROUND WIRE BE CAPABLE OF BREAKING THROUGH TO THE INSULATED CONDUCTORS OR THROUGH THE JACKET.	
		NOTE: MINIMUM SEPARATION OF CONDUCTORS IS MEASURED FROM INSIDE EDGE TO INSIDE EDGE OF SOLID COPPER.	SEE TABLE 2

CONTINUED
(PAGE 1 OF 5)

SEQ	OPERATIONS	DESCRIPTION	DIMENSIONS
04	JACKETING (CONT'D)	COMPOUND: APEX 128A GRAY #37 EXTRUDED NOTE: MINIMUM JACKET WALL OVER THE GROUND WIRE TO BE 15 MILS. PRINTING: INK PRINT USING GREEN TYPE G INK --- "SIZE AWG/NO.OF COND W.G. TYPE UF-B 600V A.I.W. CORP. SUNLIGHT RESISTANT (UL)"	SEE TABLE 2
05	INSPECTION	CONTINUITY: 100% (OPENS & CROSSES) PHYSICALS: UL STANDARD 493	
06	PACKAGING	STANDARD COMMERCIAL PRACTICE OR AS SPECIFIED MARKING: CABLE TO BE UL TAGGED & LABELLED AS FOLLOWS: A.I.W. CORP. (OR E26211) SIZE AWG NO. OF/C W/GRD TYPE UF-B 600 V. MONTH & YEAR OF MANUFACTURE FOOTAGE 1. USE UL UNDERGROUND FEEDER CABLE LABELS EQUAL TO THE CABLE FOOTAGE + / - 10%	

TABLE I

SIZE AWG	STRANDING (INCHES)	MAX. COND. LAY (---INCHES----)	CONDUCTOR DIAMETER MIN.	CONDUCTOR DIAMETER MAX.	INS. MIN. PT. (MILS)	WALL MIN. AVG.	INS. O.D. AVG. (MILS)	INS. O.D. MAX. (MILS)	COV. MIN. PT. (MILS)	WALL AVG.	COV. O.D. AVG. (MILS)	COV. O.D. MAX. (MILS)	SPARK TEST KV-AC
14	SOLID	---	.0635	.0641	13	15	94	96	4	5	104	106	7.5
12	SOLID	---	.0800	.0808	13	15	111	113	4	5	121	123	7.5
10	SOLID	---	.1010	.1019	18	20	142	145	4	5	152	155	7.5

TABLE 2

SIZE AWG	NO. OF CONDS.	GROUND WIRE SIZE AWG	GROUND WIRE DIAMETER MIN. (INCHES)	GROUND WIRE DIAMETER MAX. (INCHES)	MINIMUM SEPARATION BETWEEN CONDUCTORS (MILS)	JACKET WALL MIN. PT. (MILS)	JACKET WALL MIN. AVG. (MILS)	AVERAGE OVERALL DIAMETER (MILS)
14	2	14	.0635	.0641	125	24	30	180 X 400
14	3	14	.0635	.0641	125	24	30	180 X 600
12	2	12	.0800	.0808	125	24	30	195 X 460
12	3	12	.0800	.0808	125	24	30	195 X 670
10	2	10	.1010	.1019	125	24	30	225 X 540
10	3	10	.1010	.1019	125	24	30	225 X 770

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FILE: BUILDING
ES06279 UF-B GRD.. ..600 ..14-..10 ...1 ..... PPVPNY ..M.. PPVJ PS.....

REV.	DATE	APPROV.	REASON
2	08-28-81	RB	CHANGED O.D. AND JACKET COMPOUND
3	09-05-84	RB	UPDATED SPECIFICATION
4	01-10-85	JM	CHANGED INSULATION COMPOUND AND ADDED NMC-B
5	06-10-85	JM	ADDED IN-PROCESS INSPECTION LEVEL
6	11-20-85	JM	CHANGED MARKING
7	08-08-90	JM	CHGD TW INNERS TO THHN, O/A DIAMETERS & PRINTING