

E970193-A-W DRWG NO. REV.

NO. REV. GID

DATE

COMPONENT SPECIFICATION

SHEET 1 OF

TITLE

Portable Power Cable – NEC Type W						
APPROVALS:	DATE	REV	DCN NO	BY	СНК	DCC
W. Althouse	1/5/98	A	E970194-00-W	n/a	n/a	n/a

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CHECKED:							
APPROVED:							
DCC RELEASE:							

Description: Portable power cable meeting the following specifications and supplied in the designated lengths. Cable is to be suitable for multiple use, in a portable outdoor temporary power installation. Oil, sunlight and moisture resistance are important.

Requirements:

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Applicable Standards:	NFPA 70 (Natio ICEA S-68-516 NEMA WC-3	nal Electrical Code	e) portable	cable type "W"	,			
UL Listing:	The cable shall	be UL listed.						
Conductor:	Single conductor, rope stranded copper, 500 kcmil, nominally 427 strands x 0.0342 in. diam.							
Insulation:	Ethylene Propylene Rubber rated for 90 °C							
Jacket:	Thermoset CV cured, oil, sunlight and moisture resistant, jute and rubber fillers if applicable.							
Ampacity:	Minimum 695 A at ambient temperature of 40 °C; resistance approximately 0.0227 ohms per 1000 ft. at 25 °C.							
Temperature Rating:	90 °C							
Voltage Rating:	600 V							
Reels:	Provide cables specified below on 19 each non-returnable reels, all of same size, with size pre- approved by LIGO.							
Required Lengths:	All lengths ±1 f	All lengths ±1 foot:						
	Designation	Cable length ft	No. of cables	No. cables per reel	No. of reels	Total length ft		
	Return A	1,922	4	1	4	7,688		
	Return B	1,781	4	1	4	7,124		
	Return C	1,870	4	1	4	7,480		
	Return D	2,011	4	1	4	8,044		
	PS1*	105	8	8	1	840		
	PS2*	235	8	8	1	1,880		
	Spare	1,000	1	1	1	1,000		

Total length (approx.)

*Eight PS1 cables wound in parallel on one reel. At supplier's option, each PS1 cable may be furnished on one reel of smaller size, 8 reels total. PS2 to be similarly supplied.

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