

Date: 5/16/01

Time : 07:48:47 AM



NOTES:

1. DESCRIPTION. WIRE, ELECTRICAL, SINGLE CONDUCTOR, NO. 6 AWG, STRANDED, EXTRA FLEXIBLE, INSULATED, 600 V RMS GROUND LEAD.

2. REFERENCED DOCUMENTS. UNLESS OTHERWISE SPECIFIED, REFERENCED DOCUMENTS OF THE ISSUE IN EFFECT ON THE DATE OF THE PURCHASE ORDER OR SUBCONTRACT SHALL FORM A PART OF THIS DRAWING TO THE EXTENT SPECIFIED HEREIN. WHENEVER REFERENCED DOCUMENTS CONFLICT WITH THIS DRAWING, THIS DRAWING SHALL GOVERN.

3 REQUIREMENTS

3.1 ELECTRICAL

3.1.1 VOLTAGE RATING. 600 VOLTS RMS.

3.1.2 DIELECTRIC WITHSTANDING VOLTAGE. 2.0 KV MINIMUM.

3.1.3 SPARK TEST. 3.4 KV MINIMUM.

3.2 DESIGN AND CONSTRUCTION. PART(S) SHALL BE OF THE DESIGN, CONSTRUCTION, PHYSICAL DIMENSIONS AND TOLERANCES SPECIFIED IN TABLE I AND AS FOLLOWS.

3.2.1 MATERIALS AND FINISHES

3.2.1.1 CONDUCTOR. SINGLE NO. 6 AWG STRANDED, ROPE STRANDING CONSISTING OF SEVEN GROUPS, 150 STRANDS OF NO. 36 AWG BARE COPPER WIRE IN ACCORDANCE WITH ASTM B3, IN EACH GROUP.

3.2.1.2 INSULATION. THE -1 AND -2 SHALL BE POLYVINYLCHLORIDE (PVC) IN ACCORDANCE WITH MIL-W-16878/1. THE -3 AND -4 SHALL BE POLYURETHANE IN ACCORDANCE WITH MIL-C-27072.

3.2.1.3 OVERALL DIAMETER. 0.285 MAXIMUM.

3.3 TEMPERATURE RATING. -55°C TO +85°C.

3.4 MARKING. IDENTIFY PART OR UNIT PACKAGE WITH MANUFACTURER'S NAME, SYMBOL OR CAGE CODE AND PART NUMBER IN ACCORDANCE WITH MIL-STD-130. ADDITIONAL MARKING AT MANUFACTURER'S OPTION.

SIZE	CODE IDENT NO.	NOSC DWG NO.
A	10001	2666875
SCALE	REV E	SHEET 2

Date: 5/16/01

Time : 07:49:04 AM

3.5 WORKMANSHIP. SHALL BE IN ACCORDANCE WITH MIL-STD-454, REQUIREMENT 9 AS A MINIMUM ACCEPTABLE STANDARD.

4. QUALITY ASSURANCE PROVISIONS

4.1 ACCEPTANCE INSPECTION. AQL 1.5 PERCENT, LEVEL II IN ACCORDANCE WITH MIL-STD-105. ALL DIMENSIONS, MATERIALS, FINISHES AND DIELECTRIC WITHSTANDING VOLTAGE SHALL COMPLY.

5. PREPARATION FOR DELIVERY

5.1 PACKAGING AND PACKING. SHALL BE IN ACCORDANCE WITH MIL-C-12000, LEVEL C.

6. NOTES. NOT APPLICABLE.

SUGGESTED SOURCE(S) OF SUPPLY:

NEW ENGLAND ELECTRIC WIRE CORP.
CAGE CODE 74116
LISBON, NH 03585
MFR PART NUMBER: SEE TABLE I

IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SIZE	CODE IDENT NO.	NOSC DWG NO.
A	10001	2666875
SCALE	REV E	SHEET 3

Date: 5/16/01

TABLE I

NOSC PART NUMBER	INSULATION MATERIAL	INSULATION COLOR	MANUFACTURER'S PART NUMBER
			NEW ENGLAND ELECTRIC WIRE CORP
2666875-1	PVC	RED	2666875-1
2666875-2	PVC	CLEAR	2666875-2
2666875-3	POLYURETHANE	RED	N38-36B-750-3
2666875-4	POLYURETHANE	TRANSLUCENT (CLEAR)	N38-36B-750-0

SIZE A	CODE IDENT NO. 10001	NOSC DWG NO. 2666875
SCALE	REV E	SHEET 4