

NOTES

1. **Item:** Cable, special purpose, electrical, twisted pair with overall shield and jacket.
2. **Description:** The cable shall comply with the requirements of MIL-C-55021 with the additions and exceptions specified herein.
 - 2.1 **Individual Twisted Pairs:** In accordance with GTE part number 19-2733517-4 (unjacked pair, AWG 24).
 - 2.2 **Number of Twisted Pairs:** Table I
 - 2.3 **Overall Shields:** All twisted pairs in the cable shall be covered with a single braid type overall shield of No. 36 AWG or AWG 34 of tinned copper wire.
 - 2.3.1 **Braid Angle:** 35° nominal
 - 2.3.2 **Minimum Electrical Coverage:** 90 percent
 - 2.4 **Outer Jacket:** Irradiated crosslinked polyethylene
 - 2.4.1 **Jacket Thickness:** Table I
 - 2.4.2 **Color:** Black (may appear gray due to irradiation process)
 - 2.5 **Overall Dimensions:** Table I
 - 2.6 **Working Voltage:** 600 volts
 - 2.7 **Dielectric Withstanding Voltage:** 2.0Kv
 - 2.8 **Temperature Range:** -55°C to +125°C
 - 2.9 **Marking:** The following minimum cable identification shall be clearly and legibly marked at intervals of one to three feet on the outer surface of the outer jacket.
 - a) Manufacturer's name or identification
 - b) Manufacturer's part number

	SIZE A	CODE IDENT. NO. 67032	DRAWING NO. 19-2733514	
	SCALE: NONE		REV. A	SHEET 2

3. Lot Conformance Testing: The manufacturer shall be responsible for assuring compliance to all requirements of this drawing. Minimum testing on each lot shall consist of the acceptance tests of MIL-C-55021.

4. Suggested Source(s) of Supply

a) Judd Wire Div., High Voltage En., Corp.
Turners Falls, MA 01376

Code Ident. No.: 12703

Manufacturer's Part No.: Table I

b) Brand-Rex Co.
Willimantic, CT 06226

Code Ident. No.: 71124

Manufacturer's Part No.: Table I

c) ITT Suprenant
Clinton, MA 01510

Code Ident. No.: 90484

Manufacturer's Part No.: Table I

Procuring Activity Part No.: Table I

5. 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.

	SIZE	CODE IDENT. NO.	DRAWING NO.	
	A	67032	19-2733514	
	SCALE:		REV. A	SHEET
	NONE			3

TABLE I

Procuring Activity Part No. 19-2733514	No. of Twisted Pairs	Overall Diameter (Inches)	Jacket Thickness (Inches - Nominal)			Manufacturer's Part No.		
			Judd Wire	Brand-Rex	ITT Supren	Judd Wire	Brand-Rex	ITT Supren
-1	16	0.540 ±.030	0.045	0.060	0.050	M0732010	T-12264	20145
-2	18	0.595 ±.030	0.050	0.060	0.050	M0736014	T-12265	20146

	SIZE	CODE IDENT. NO.	DRAWING NO.
	A	67032	19-2733514
SCALE:	NONE	REV.	SHEET
		B	4