

SUGGESTED SOURCE OF SUPPLY

VENDOR P/N **24443/19025X-4(12)**
 VENDOR NAME **THE SELLER CO.**
 CAGE CODE **92607**
 ADDRESS **ST. AUGUSTINE**
FL 32092
 TEL (904) **829-5600**
 FAX (904) **829-3447**

ALTERNATE SOURCE

VENDOR P/N **S28061502-4**
 VENDOR NAME **Boeing Aircraft**
 CAGE CODE **81205**
 ADDRESS
 TEL ()
 FAX ()

ALTERNATE SOURCE

VENDOR P/N
 VENDOR NAME
 CAGE CODE
 ADDRESS
 TEL ()
 FAX ()

APPLICATION
 USED ON
 NEXT ASSY

DESIGN CHANGES REQUIRE CONFIGURATION CONTROLLED CONTROL BOARD AUTHORIZATION

CAE APPROVED: *[Signature]*

CE APPROVED: *[Signature]*

CM APPROVED: *[Signature]*

SPECIFIC REQUIREMENTS

This specification describes a 4 conductor, 24 AWG, shielded and jacketed cable. It is designed to meet the requirements of Boeing part number S280W502-4.

CONDUCTOR

Material: Silver Plated High Strength Copper Alloy
 Size: 24 AWG
 Construction: 19 x 36
 OD: .0233" +/- .0003"
 DC Resistance (max): 26.8 ohms/M' @ 20 degrees C

INSULATION

Material #1: Extruded Low Density TFE
 Material #2: Spiral Wrapped & Fused TFE Tape
 Wall Thickness (nom): .010"
 OD: .046" +/- .003"

CABLING

4 Insulated conductors cabled together
 Cable Lay (nom): 1-1/4"
 OD: .112" +/- .015"

SHIELD #1

Material: .0015" Thick Tin Plated Copper Flat Braid
 Coverage (min): 92%
 OD: .119" +/- .015"

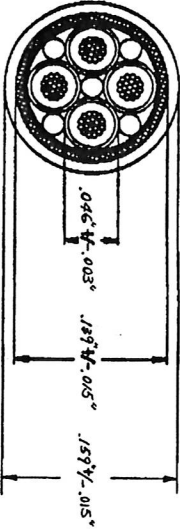
SHIELD #2

Material: 38 AWG Tin Plated Copper Round Braid
 Coverage (min): 85%
 OD: .137" +/- .015"

JACKET

Material: Extruded FEP
 Wall Thickness (nom): .010"
 OD: .157" +/- .015"

COLOR CODE
 Red, Red/Black
 Blue, Blue/Black
 Jacket: Transparent Blue



GENERAL REQUIREMENTS

- CERTIFICATE OF COMPLIANCE REQUIRED
- TEST REPORT REQUIRED
- CAE SOURCE INSPECTION REQUIRED (VENDOR TO NOTIFY CAE)
- OPERATING & MAINTENANCE DOCUMENTATION
- (SPECIFY) *Continuity Test Required.*

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
0	PRELIMINARY ONLY FOR ADVANCE PROCUREMENT PURPOSES. REVISED SPECIFICATION TO FOLLOW.		
1	FIRST RELEASE	25MAR93	<i>[Signature]</i>
A	SEE ECR# 1181005 INCORP.	18FEB90	<i>[Signature]</i>
B			
C			
D			
E			
F			
G			
H			

NOTES/REMARKS

CABLE CHARACTERISTICS
 Characteristic Impedance: 100 +/- 10 ohms
 Propagation Delay: 1.29 +/- .05 ns/ft
 (Measured Differentially)
 Dielectric Withstand: 1.5 KV (rms)
 Weight: 22.0 Lbs/M' nom., 25.3 Lbs/M' max

NOTE: EACH REEL OF SPOOL SHALL CONSIST OF ONE CONTINUOUS LENGTH OF SPOOL NOT MORE THAN THREE FEET. NOT LESS THAN 100 FT MINIMUM. THE ENDS OF THE CABLE SHALL BE READILY ACCESSIBLE ON THE REEL FOR CONTINUITY TEST.

REV. NO: 192197

SPECIFICATION CONTROL DRAWING

CONTRACT *General*

DATE *24MAR93*

BY *[Signature]*

CHKD *[Signature]*

APPD *[Signature]*

SCALE **B** 35181 DS224409 24.5:122

SHEET 1 OF 1

CAE MONTREAL CANADA

TITLE **CABLE - MULTICONDUCTOR, 4 CONDUCTOR, 24AWG, SHIELDED, JKT, COLOR CODED.**