

SUGGESTED SOURCE OF SUPPLY

VENDOR P/N **24443/19025X-4(12)**
 VENDOR NAME **Boeing Satellite Co.**
 CAGE CODE **92607**
 ADDRESS **ST. AUGUSTINE**
FL 32092
 TEL (204) **829-5800**
 FAX (204) **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

ASSEMBLY
 SEEN
 BY
 DATE

DATE

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"

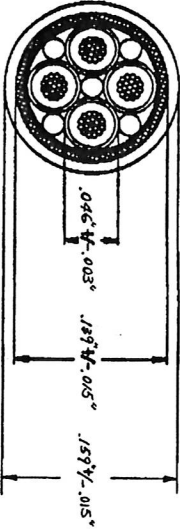
SHIELD #2

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	25 MAR 93	[Signature]
A	SEE ECR# 1181005 INCORP.	18 FEB 90	[Signature]
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 BREAKS. 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 *24 MAR 93*

BY *[Signature]*

CAE MONTREAL CANADA

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

SCALE **B** CAGE CODE **35181** PS224409 24.5.122

SHEET 1 OF 1