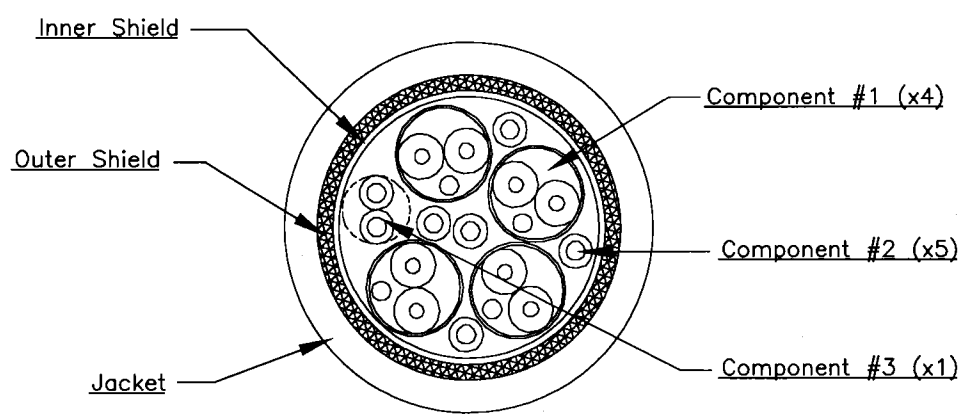


SHEET 1 A	REV. A	This print and associated documents and the contained information are the confidential property of ELECTRONIC CABLE SPECIALISTS. Disclosure of, and/or reproduction of, all of part thereof or manufacture of any part from information contained on this print not specifically permitted by ELECTRONIC CABLE SPECIALISTS in writing is forbidden.				REVISIONS				
		ECN	REV	DESCRIPTION	DATE	APPROVED				
		31489	N/C	NEW RELEASE	2/14/08	DEK				
		32436	A	WEIGHT WAS TBD BEND RADIUS WAS TBD OPERATING TEMP WAS -40 TO +85°C	9/23/08	CAC				

DWG. NO. 922815-C

## ECS P/N 922815



### Component #1

#### Four 28 AWG Shielded Twisted Pairs

- Conductor : 28 AWG X 7/36 Tin coated copper
- Insulation : Low density high temperature fluoropolymer
- Color code : Pair 1, Natural, Natural/Black Pair 2, Natural, Natural/Red  
Pair 3, Natural, Natural/Blue Pair 4, Natural, Natural/Green
- Drain Wire : 28 AWG X 7/36 Tin coated copper
- Shield : Aluminum/Polyester Tape (foil in)
- Binder : Polyester Tape

### Component #2

#### Five 28 AWG Single Wires

- Conductor : 28 AWG X 7/36 Tin coated copper
- Insulation : High temperature fluoropolymer
- Color code : Orange, Violet, Gray, Green, Red

### Component #3

#### One 28 AWG Twisted Pair

- Conductor : 28 AWG X 7/36 Tin coated copper
- Insulation : High temperature fluoropolymer
- Color code : Black, Yellow

<b>ELECTRONIC CABLE SPECIALISTS</b> FRANKLIN, WI 53132 PHONE: (414) 421-5300								
TITLE <u>CUSTOMER SPECIFICATION</u> <b>15 CONDUCTOR COMPOSITE CABLE</b> <b>ECS P/N 922815</b>								
DESIGNED BY	C CHAPMAN	DATE	1/16/08	SIZE	CAGE CODE	LEVEL	ECS PART NO.	REV.
CHECKED BY	D KNOLL	DATE	2/14/08	A	66197		922815	A
ENGRG MGR	D KNOLL	DATE	2/14/08	SCALE				SHEET 1 OF 2

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
DECIMALS  
XX ±.03  
XXX ±.010

APPROVALS	DATE
DESIGNED BY C CHAPMAN	1/16/08
CHECKED BY D KNOLL	2/14/08
ENGRG MGR D KNOLL	2/14/08

SHEET REV.  
2 A

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DWG. NO. 922815-C

Overall Cable

Cabling : Cabling per sheet 1  
Inner Shield : Aluminum/Polyester Tape (foil out)  
Outer Shield : 38 AWG Tin coated copper braid, 90% minimum coverage  
Jacket : Black High Temperature Fluoropolymer

Electrical Attributes

Component #1

Impedance : 100 ± 5 Ohms  
Skew (Internal) : 30 ps/meter maximum  
Skew (Pair to Pair) : 50 ps/meter nominal (within 4 pair group)  
Velocity of Propagation : 75% nominal  
DC Resistance : 0.060 Ohms/ft Nominal

Component #2 and 3

Voltage Rating : 150 Volts (rms)  
DC Resistance : 0.060 Ohms/ft Nominal

Physical Attributes

Cable O.D. : .255 Nominal  
Weight : 5.1 lb/100 ft  
Bend Radius : 1.6 Minimum  
Operating Temperature : -40 to +150°C  
Flammability : Complies with the requirements of FAR 25.853(a), and FAR 25.869(a)(4)

SIZE	CAGE CODE	LEVEL	ECS PART NO.	REV.
A	66197		922815	A
SCALE		SHEET 2 OF 2		