

SUGGESTED SOURCE OF SUPPLY

VENDOR P/N: NFA40100
 VENDOR NAME: TENSOLITE - CARLISLE
 CAGE CODE: 92607
 ADDRESS: 100 TENSOLITE DR.
 SAINT AUGUSTINE, FL 32092
 USA
 TEL: (904) 829-5600
 FAX: (904) 829-3447

ALTERNATE SOURCE

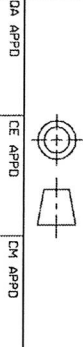
VENDOR P/N:
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 CAGE CODE:
 ADDRESS:

TEL:
 FAX:

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APPLICATION
 USED ON



DA APPD CE APPD CM APPD
 DESIGN CHANGES REQUIRE CONFIGURATION CONTROLLED CONTROL BOARD AUTHORIZATION

SPECIFIC REQUIREMENTS

This specification describes a 24 AWG, 100-ohm, Ethernet cable with a budget length of 240ft (73m) to meet CAT 5e.

CONDUCTOR
 Material: Silver-coated Copper Alloy
 Size: AWG 24
 Construction: 19 x 36
 OD(nom): .0235"
 Conductor Resistance(nom): 26.8 ohms/1,000 ft

INSULATION
 Material #1: Extruded Expanded PTFE
 Material #2: Spiral-wrapped and fused PTFE Tape
 OD(nom): .045"

CABLE
 Four (4) of the above insulated conductors are cabled together around one (1) PTFE filler.

BINDER TAPE

Material: PTFE Tape

SHIELD #1

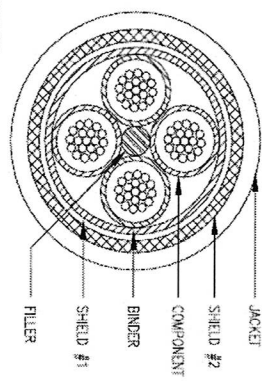
Material: Tin-coated Copper Flat Braid
 Coverage(min): 90%

SHIELD #2

Material: Tin-coated Copper Round Braid
 Coverage(min): 85%

JACKET

Material: Extruded FEP
 OD: .180" ± .010"



COLOR

Pair #1: Red-Red/Black
 Pair #2: Blue-Blue/Black
 Jacket: Translucent Yellow

CABLE CHARACTERISTICS

Differential Impedance: 100 ± 10 ohms
 Capacitance (nom): 13 pF/ft
 Velocity of Propagation (nom): 80%
 Weight (nom): 24.5 lbs/1,000 ft
 Weight(max): 27.0 lbs/1,000 ft

Frequency (MHz)	Attenuation (dB/100m)		Near End Cross Talk (dB)	Return Loss (dB)
	nom	max		
1	2.1	2.7	65.3	20.0
4	4.4	5.6	56.3	23.0
8	6.3	7.9	51.8	24.5
10	7.3	8.9	50.3	25.0
16	9.3	11.2	47.3	25.0
20	10.5	12.7	45.8	25.0
25	11.8	14.2	44.3	24.2
31.25	13.3	16.0	42.9	23.3
62.5	19.3	23.3	36.4	20.7
100	26.0	30.1	35.3	19.0

GENERAL REQUIREMENTS

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

CONTRACT GENERAL

THIS DOCUMENT IS DERIVED FROM ORIGINAL SOURCE DATA RELEASED IN CAE'S CORPORATE DATA MANAGEMENT SYSTEM IN THE EVENT OF ANY CONFLICT THE ORIGINAL DATA SOURCE TAKES PRECEDENCE

REVISIONS				
RELEASE	REV	DESCRIPTION	DATE	APPROVED
	B	ECN1588131 INC	130CT2015	K.H.

SPECIFICATION CONTROL DRAWING

CAE MONTREAL CANADA

TITLE: CABLE

SIZE: B CAGE CODE: 35181

SCALE: WT

CAE CODE: PSS38744

SHEET: 1 OF 1