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2.2 20 AWG 4/C CABLE:

2.2.1 CABLE TOGETHER ONE PAIR 24 AWG AND FOUR INSULATED 20 AWG CONDUCTORS IN A 5" LEFT HAND LAY.

2.2.2 CABLE MUST CONTAIN MYLAR TAPE OVER WIRE BUNDLES.

2.2.3 CABLE BUNDLE MAY CONTAIN FILLER MATERIAL TO ASSIST IN MAINTAINING A ROUND FORM AT MANUFACTURERS DISCRETION.

2.3 OVERALL SHIELD:

2.3.1 MATERIAL: FOAMED POLYOLEFIN

2.3.2 WALL THICKNESS: 0.015

2.3.3 O.D.: Ø0.055 NOM.

2.3.4 COLOR CODE: PER CHART

2.4 CABLEING:

2.4.1 CABLE TOGETHER TWO INSULATED CONDUCTORS IN A 2 1/2" LEFT HAND LAY

2.4.2 O.D.: Ø0.110 NOM.

2.0 20 AWG 4/C CONDUCTOR:

2.0.1 MATERIAL: BARE COPPER

2.0.2 SIZE: 20 AWG

2.0.3 STRANDING: 7/28

2.0.4 O.D.: Ø0.040

2.1 INSULATION:

2.1.1 MATERIAL: HIGH MOLECULAR WEIGHT POLYPROPYLENE 105°C

2.1.2 WALL THICKNESS: 0.012

2.1.3 O.D.: Ø0.064 NOM.

2.1.4 COLOR CODE: PER CHART.

3.1 JACKET:

3.1.1 MATERIAL: FLAME RETARDANT LEAD AND CFC FREE, UV RESISTANT POLYVINYL CHLORIDE.

3.1.2 WALL THICKNESS: 0.031

3.1.3 O.D.: .265 MIN. TO .285 MAX.

3.1.4 COLOR: BLACK

3.1.5 PRINT: "FCT ELECTRONICS LP PART NO. 41-307-01-4 E* ++ TYPE CL3 (UL) OR CM 24 AWG 1 PR + 20 AWG 4C (UL) (UL)vs"

4.1 TEMPVOLTAGE:

-30°C TO 80°C / 300V

E* MEANS MARK WITH APPLICABLE VENDOR E NUMBER AND APPROPRIATE PLANT LOCATION SYMBOLS.

DWG. NO.

41-307-01-4

ELECTRICALS:

IMPEDANCE: (DATA PAIR)

0.5 MHz - 110 ± 15 Ohm

1.0 MHz - 100 ± 15 Ohm

ATTENUATION: (DATA PAIR)

0.5 MHz - ≤ 1.5 dB/100m

1.0 MHz - ≤ 2.0 dB/100m

MUTUAL CAPACITANCE: (@ 1kHz)

50 pF/m NOM.



ORIGINAL

REFERENCE NUMBER	AWG SIZE	COLOR
1	24	WHITE
2	24	BROWN
REFERENCE NUMBER	AWG SIZE	COLOR
1	20	BLACK
2	20	RED
3	20	BLUE
4	20	GREEN



187 Commercial Blvd.
Torrington, CT 06790
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electronics, LP

DRAWN SJS DATE 10/10/07

CHECKED TMC DATE 10/11/07

APPR SD DATE 10/11/07

TITLE

1 PAIR 24 AWG UNSHIELDED +

4 CONDUCTOR 20 AWG SHIELDED

SIZE DWG. NO. A 41-307-01-4

SCALE 1:1 CAGE INPS7 SHEET 1 OF 1

CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

TOLERANCES: .XX ±.01; .XXX ±.005; .XXXX ±.0010

ANGLES ±2° (XXX) = REF. DIM.

CHAMFER 1ST THREAD 45° SURFACE FINISH = 63 MICROINCHES

MATERIAL

SEE NOTES

FINISH

SEE NOTES

DO NOT SCALE DRAWING

REV.	DESCRIPTION	DATE	DWN.	APPR.
G	ECN 1265	6/13/12	ALM	KT
F	ECN 1102	11/23/09	JED	KT
E	ECR 742	12/06/07	DP	TC
E	ECN 921	11/2/07	SJS	TC
D	ECN 919	10/30/07	SJS	TC
C	ECN910	10/10/07	SJS	SD