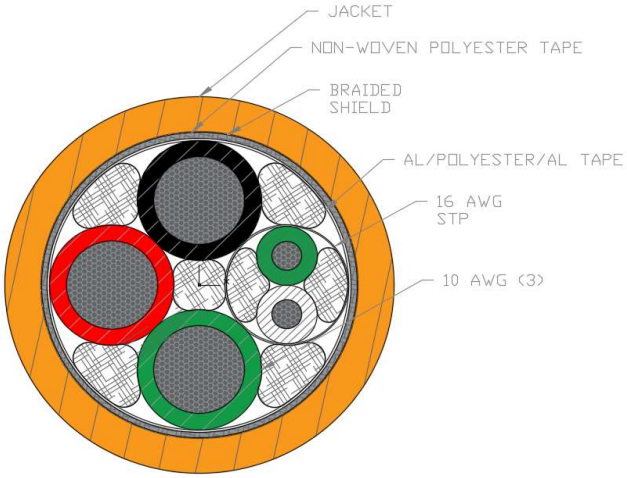
REV.	DESCRIPTION	DATE
0	PRELIMINARY RELEASE	7/1/2021



Item	Component	Description	Thickness <>	Thickness inch Nom	Thickness inch Min	Thickness mm Nom	Thickness mm Min	Dimensions <>	Dimensions inch Nom	Dimensions inch Tol	Dimensions mm Nom	Dimensions mm Tol
1.	Conductor:	10 AWG 105/30 BC				NA	NA		0.110		2.79	NA
2.	Insulation:	EXAR 150FX		0.031	0.025	0.79	0.64		0.172	0.004	4.37	0.10
3.	Conductor:	16 AWG 41/32 BC				NA	NA		0.054	0.001	1.37	0.03
4.	Insulation:	EXAR FX3		0.016		0.41	NA		0.086	0.003	2.18	0.08
5.	Twisted Pair:	Cable two 16 AWG Primaries Into Twisted Pair with filler				NA	NA		0.172		4.37	NA
6.	Foil Shield:	AL/Polyester Tape, 33% lap nom, Foil out		0.0015		0.04	NA		0.177		4.48	NA
7.	Cable:	Cable 16 AWG STP with (3) 10 AWG, add filler as necessary				NA	NA		0.416		10.57	NA
8.	Binder Tape:	AL/Polyester/AL Tape, 50% lap Nom		0.002		0.05	NA		0.424		10.77	NA
9.	Braided Shield:	36 AWG TC Braided Shield, 85% nom Coverage		0.005		0.13	NA		0.446		11.32	NA
10.	Barrier Tape:	Non-woven Polyester, 33% lap nom		0.0014		0.04	NA		0.449		11.40	NA
11.	Jacket:	EXAR ERGOFLEX		0.056		1.42	NA		0.561	0.015	14.25	0.38

Print: CCC 18894 "PN" 1PR 16AWG (3) 10AWG 150C 1000V MAX MOBILE CLIMATE CONTROL # T31-2442 XXXXX
XXXXX = Audit Sheet
"PN" = CCC Part Number

General Data

Voltage Rating: 1000VAC/1500VDC MAX Per ISO19642
Temperature Range: -40°C to +150°C
Use: HVAC Power Bus System
Static Bend Radius:

in	mm
3.37	85.50

CHAMPLAIN CABLE

TITLE

5C BUS HVAC COMPOSITE CABLE

Special Characterisitcs <S> Safety <D> Dimensional	DRN. R. TRAHAN	DATE 7/1/2021
	CKD.	DATE
DO NOT SCALE THIS DRAWING	SIZE A / PART NUMBER TBD	DOCUMENT NUMBER 18894

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Preliminary Drawing for Design use only