

DATE	REV	DESCRIPTION	DRN	APPD
01APR2014	01	INITIAL RELEASE	CJT	

REGULATORY COMPLIANCES

R1. ALL MATERIALS AND COATINGS MUST COMPLY WITH ALL APPLICABLE INTERNATIONAL ENVIRONMENTAL RELATED REGULATIONS, INCLUDING BUT NOT LIMITED TO EU DIRECTIVES WATA, ELV, RRR, RoHS, WEEE, REACH AND BATTERY DIRECTIVE 2006/66/EC, WHICH ARE DESCRIBED IN DETAIL AT THE GADSL LIST IN ITS LATEST VERSION AT THE TIME OF USE (<http://www.gadsl.org>). REFER TO TESLA SPEC DOC# BMS-0000147 FOR DETAIL.

R2. THIS COMPONENT HAS BEEN DESIGNED TO COMPLY WITH A REGULATORY REQUIREMENT. CONTACT TESLA TYPE APPROVAL BEFORE UNDERTAKING DESIGN MODIFICATIONS. A COMPONENT WHICH EMBODIES ALL REQUIREMENTS STATED ON THIS DRAWING WILL COMPLY WITH REGULATORY REQUIREMENTS.

R3. FOR A COMPREHENSIVE LIST OF ALL SUPPLIER QUALITY ASSURANCE REQUIREMENTS, REFERENCE THE SUPPLIER HANDBOOK #BMS 0000051.

GENERAL NOTES

G1. TRACEABILITY: GRADE C BATCH TRACEABILITY CONTROL WITHOUT INDIVIDUAL PART MARKINGS PER SUPPLIER HANDBOOK BMS-0000051.

G2. PART TO BE LABELED WITH PART NUMBER AND SERIAL OR BATCH NUMBER IN THE AREA SHOWN PER TESLA PART LABELING SPECIFICATION BMS 000005.

G3. THIS PART MUST BE PACKAGED IN ACCORDANCE WITH TESLA MOTORS SPECIFICATION BMS-000007 AND TESLA MOTORS DOCUMENT SHIPPING DOCUMENTATION SPECIFICATION BMS-000003 DESCRIBES SPECIFIC PACKAGE LABELING REQUIREMENTS. PLEASE REFER TO THIS DOCUMENT FOR GUIDANCE ON HOW TO GENERATE PACKING SLIPS AND PACKAGE LABELS.

DIMENSIONAL NOTES

D1. DIMENSIONS APPLY AFTER FINISHING OPERATIONS, UNLESS OTHERWISE SPECIFIED.

D2. DO NOT SCALE PRINT.

MATERIAL SPECIFICATIONS

M1. MATERIAL: SEE TABLE.

M2. MATERIAL PROCESS NOTES: N/A

M3. FINISH: NONE.

M4. MANUFACTURING PROCESS: AS PER VENDOR.

M5. CLEANLINESS: CABLE TO BE FREE OF CONTAMINANTS INCLUDING ADHESIVES, LUBRICANTS, OILS, ETC. ON ALL SURFACE. CABLE MUST NOT EXUDE ODORS OR VAPORS OF ANY KIND. WIRE MUST BE FREE OF CONTAMINANTS AND BE OF 100% PURE COPPER, CAPABLE OF BEING ULTRASONICALLY WELDED.

M6. CABLE MUST BE DIMENSIONALLY STABLE AND NOT SWEAT DURING EXTENDED PERIODS OF TIME AT 65°C AND 95% R.H., AND AT 85°C.

M7. CABLE MUST REMAIN FLEXIBLE AND NOT SUFFER CRACKING WHEN SUBJECTED TO BEND TESTING AT -40°C PER IEC 60811

M8. CABLE TO MEET UL62 EVJE TYPE.

M9. MINIMUM BEND RADIUS WITHOUT YIELDING: 40MM.

M10. CABLE AND ALL WIRES MUST BE RATED FOR 600V AND -50C TO 105C

M11. INSULATION AND JACKET MATERIALS TO MEET UL SEOW.

NAME	DATE
C.TILTON	01APR2014



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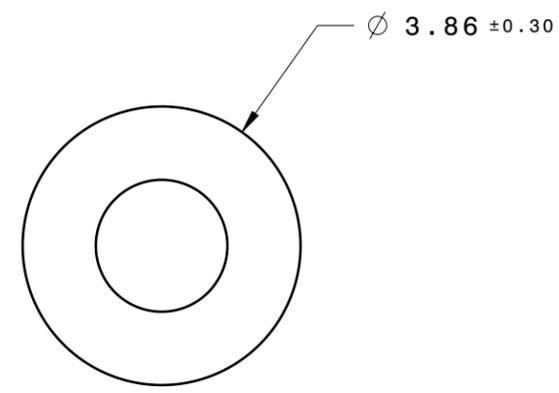
MATERIAL
SEE NOTES

FINISH
SEE NOTES

	DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ANGULAR ±0.5° FRACTIONAL ± DECIMALS X ±1 X.X ±0.3 X.XX ±0.10	SCALE NOTED	SHEET SIZE B
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ITEM NAME
WIRE, 13AWG, 3.61, CU, 600V, 105C, TPE

ITEM NUMBER 1042499-00-A	REVISION 01	SHEET 1 of 1
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GAUGE [AWG]	STRANDING	MAX RESISTANCE [OHM/1000FT @ 20°C]	NOMINAL INSULATION THICKNESS [MM]	INSULATION MATERIAL	VOLTAGE RATING [V]	TEMP RATING [°C]
13	52/30 UNPLATED COPPER	2.06	0.89	TPE	600	-50 TO 105

B WIRE, 13AWG, 3.61, CU, 600V, 105C, TPE
 REV 01
 PDM VERSION 01.0