



WIRE DESCRIPTION:
 E198296 (UL MTW OR
 AWM 1015 600V/VW-1 2
 AWG 35.00 MM² LL53776
 CSA TEW 105 °C 600V
 FT1 ROHS CE LAPP
 KABEL STU GART
 <VDE> <HAR> H07V-K

ELECTRICAL:

CURRENT RATING: THE FILTERS SHALL BE CAPABLE OF WITHSTANDING 140 % OF RATED CURRENT FOR 15 MINUTES WITHOUT ANY DETERIORATION.

INSERTION LOSS: THE FILTERS SHALL PROVIDE THE SPECIFIED INSERTION LOSS OF 100 dB MINIMUM OVER ITS INDICATED FREQUENCY RANGE WHEN MEASURED IN ACCORDANCE WITH THE APPLICABLE MIL-STD-220A BY A GOVERNMENT APPROVED LABORATORY

VOLTAGE: THE FILTERS SHALL BE CAPABLE OF OPERATING CONTINUOUSLY AT FULL RATED VOLTAGE AND OF WITHSTANDING AN INITIAL TEST OF TWICE THE RATED VOLTAGE FOR ONE MINUTE

MECHANICAL: CASE: THE FILTER CASE SHALL BE MADE OF COLD ROLLED STEEL

TERMINALS: THE TERMINALS SHALL BE MADE OF HIGH TEMPERATURE CERAMIC

CONSTRUCTION: INPUT AND OUTPUT TERMINALS SHALL BE COMPLETELY ENCLOSED IN RF SHIELDED COMPARTMENTS. COVER ON THE INPUT COMPARTMENT SHALL BE SCREW DOWN TYPE. INTERNAL COMPONENTS SHALL BE MOUNTED AND FIXED TO PREVENT DAMAGE WHEN SUBJECTED TO SHOCK AND VIBRATION TESTS

FINISH: ALL FILTER CASES SHALL BE MADE CORROSION RESISTANT WITH IMPREGNANT: THE IMPREGNANT SHALL BE NONFLAMMABLE AS CLASSIFIED SUITABLE PLATING BY UNDERWRITERS LABORATORIES

SHIELDED COMPARTMENT

***NOTE:**
 DO NOT REMOVE NUT & WASHER FASTENED TO SHIELD WHEN INSTALLING JUNCTION BOX
CAUTION:
 TO AVOID POSSIBLE ELECTRICAL SHOCK, GROUND STUD MUST BE INSTALLED AND GROUND WIRE MUST BE ATTACHED TO GROUND BEFORE POWER IS APPLIED TO FILTER

UNSHIELDED COMPARTMENT

COMBINATION KNOCKOUT FOR 3/4" x 1" CONDUIT 3 PLACES TO END THIS

RFI/EMI POWER LINE FILTER					APPR. WT. LBS.
INSERTION LOSS 100 DB. - 14 KHZ. TO 18 GHZ. PER MIL. STD. 220 A					45
QTY	PART NO.	AMPS	VOLTS	HZ.	
-	USC - 50 - 100	100	480	0 - 60	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON

FRAC.	DEC.	ANGLES
±	.XX± .02	±
± 1/64	XXX± .005	± 1/2°

SCALE: 3"=1'-0" NO. REQD.

NEXT. ASSY.

TITLE

STANDARD 100 AMP FILTER

DRAWN: ALFONSO NOCERA DATE: 12-05-12
 CHECKED: DATE:
 APPROVED: DATE:

UNIVERSAL SHIELDING CORP.

20w. JEFFRYN BOULEVARD
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SIZE	DRAWING NUMBER	REV.
A	USC-50-100	-