

P	LTR	DESCRIPTION	DATE	DWN	APVD
B1		UPDATED MARKINGS	30APR2020	SR	MZ
C		UPDATED MARKINGS	16SEP2020	SB	SVC
C1		CORRECTED MARKINGS	23SEP2020	MHS	SVC
D		UPDATED MARKINGS	09JUN2021	MHS	SVC

Note:
1. CONSTRUCTION AND DIMENSIONS

CONDUCTOR			INNER LAYER		OUTER LAYER		
SIZE	MATERIAL	WIRE AND STRANDS (mm)	MATERIAL	COLOUR	MATERIAL	COLOUR	O.D. (mm)
6 mm ² /10 AWG	STRANDED TINNED COPPER	78X0.30	XLPO	WHITE	XLPO	BLACK	6.97±0.20

2. ELECTRICAL CHARACTERISTICS (AT +20 °C)

VOLTAGE RATING	
EN 50618	1000 V AC; MAX 1500 V DC
IEC 62930	1000 V AC; MAX 1500 V DC
UL 4703	1000 V AC OR 2000 V AC
TEMPERATURE RATING	-40 °C~90 °C, UP TO 105 °C AT DRY CONDITION
INSULATION RESISTANCE	MIN 1000 MΩ.KM
SPARK TEST	10000 V AC
VOLTAGE WITHSTAND	6500 V AC
CONDUCTOR DC RESISTANCE	MAX 3.39 Ω /KM

3. MECHANICAL, ENVIRONMENTAL AND OVERALL CHARACTERISTICS

BENDING RADIUS:	
DYNAMIC: >=5 XO.D.	
STATIC: >=4 XO.D.	
FLAMMABILITY: VW, IEC60332-1-2	

4. STANDARD:

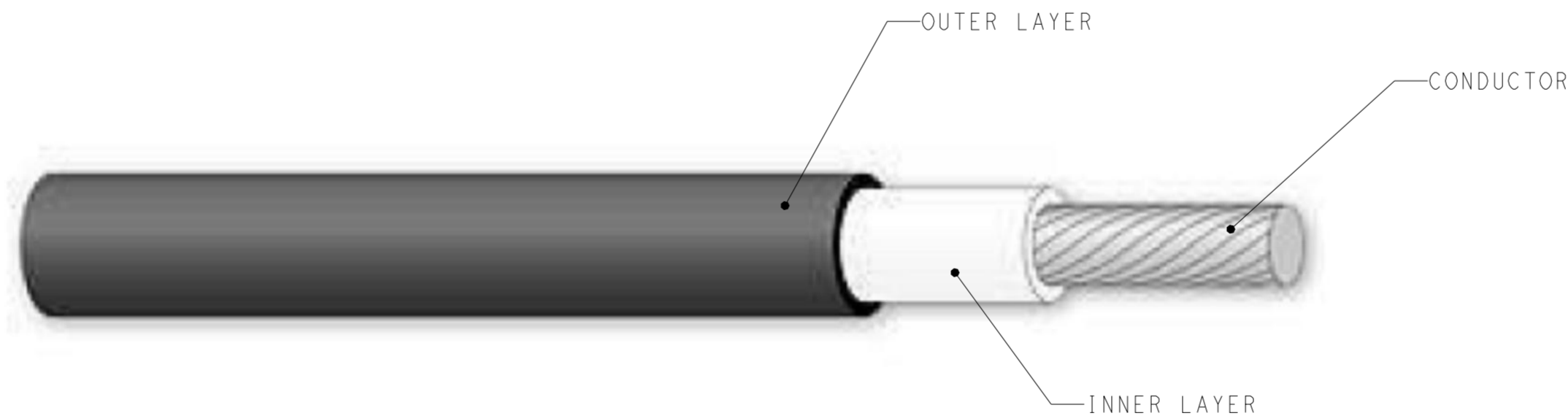
EN 50618
IEC 62930
UL 4703, UL 44, UL 854, UL 1581, UL 2556

5. MARKING

6 mm²/10 AWG

‡TE CONNECTIVITY E337795-B (UL) 10 AWG PV WIRE 105 °C DRY 90 °C WET 1000 V OR 2000 V SUN RES -40 °C DIR BUR
TE CONNECTIVITY SLKC1B6 62930 IEC 131 & H1Z2Z2-K 1x6mm² HALOGEN FREE LOW SMOKE TÜV RHEINLAND R50504531 & R50504536 (BATCH YMMDD)‡

6. MODEL CODE: SLKC1B6



TE PN	PACKAGING
2328400-1	5KM, 6KM, 8 KM/REEL
2328400-2	1000 M/REEL
2328400-3	500 M/REEL
2328400-4	100 M/REEL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. ZUCCA 06DEC2018	TE Connectivity															
DIMENSIONS: mm		CHK M. ZUCCA 06DEC2018																
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. ZUCCA 06DEC2018	NAME SOLAR CABLE, PV WIRE 6.0 SQMM/10 AWG, UL 4703 AND IEC 62930															
<table border="0"> <tr> <td>0 PLC</td> <td>±</td> </tr> <tr> <td>1 PLC</td> <td>±</td> </tr> <tr> <td>2 PLC</td> <td>±</td> </tr> <tr> <td>3 PLC</td> <td>±</td> </tr> <tr> <td>4 PLC</td> <td>±</td> </tr> <tr> <td>ANGLES</td> <td>±</td> </tr> <tr> <td>FINISH</td> <td>±</td> </tr> </table>		0 PLC	±	1 PLC	±	2 PLC	±	3 PLC	±	4 PLC	±	ANGLES	±	FINISH	±	PRODUCT SPEC -	SIZE A2	CAGE CODE -
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1 PLC	±																	
2 PLC	±																	
3 PLC	±																	
4 PLC	±																	
ANGLES	±																	
FINISH	±																	
MATERIAL -		APPLICATION SPEC -	DRAWING NO C-2328400	RESTRICTED TO -														
-		WEIGHT -	SCALE -	SHEET 1 OF 1 REV D														
-		CUSTOMER DRAWING																