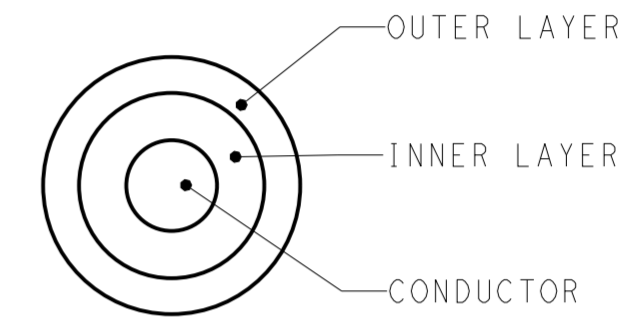


P	LTR	DESCRIPTION	DATE	DWN	APVD
C		UPDATED MARKINGS AND MODEL CODE	02APR2020	SR	SVC
C1		UPDATED MARKINGS	30APR2020	SR	MZ
D		UPDATED MARKINGS	16SEP2020	SB	SVC
E		UPDATED MAEKINGS	09JUN2021	MHS	SVC

Note:

1.CONSTRUCTION AND DIMENSIONS
 CONDUCTOR: STRANDED TINNED COPPER
 INNER LAYER:XLPO, COLOR: WHITE
 OUTER LAYER:XLPO, COLOR: BLACK
 DIMENSIONS:

TE P/N	CROSS SECTION	CONDUCTOR		NOMINAL WALL THICKNESS		OUTER DIAMETER(mm)	MOQ/PACKAGING UNIT PER REEL	MARKINGS
		cons. n x mm	NOMINAL DIA.(mm)	INNER LAYER(mm)	OUTER LAYER(mm)			
2270245-1	4.0 mm ² /12 AWG	52 x 0.30	2.4	1.14	0.80	6.35±0.20	300 km / 5 km / 6 km AND 8 km	△5
2270245-2	4.0 mm ² /12 AWG	52 x 0.30	2.4	1.14	0.80	6.35±0.20	1000 m	△5
2270245-3	4.0 mm ² /12 AWG	52 x 0.30	2.4	1.14	0.80	6.35±0.20	500 m	△5
2270245-4	4.0 mm ² /12 AWG	52 x 0.30	2.4	1.14	0.80	6.35±0.20	100 m	△5



2.ELECTRICAL CHARACTERISTICS (AT +20 °C)

VOLTAGE RATING	
EN 50618	1000 V AC; 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. 5.09 Ω/km FOR 4 mm ² /12 AWG

3.MECHANICAL, ENVIRONMENTAL AND OVERALL CHARACTERISTICS

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

4. STANDARD:

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

△5 MARKING FOR 4.0 mm²/12 AWG

‡TE CONNECTIVITY E337795-B (UL) 12 AWG PV WIRE 105 °C DRY 90 °C WET 1000 V OR 2000 V SUN RES -40 °C DIR BUR
 ‡TE CONNECTIVITY SLKC1B4 62930 IEC 131 & H1Z2Z2-K 1x4mm² HALOGEN FREE LOW SMOKE TÜV RHEINLAND R50504531 & R50504536 (BATCH YYMMDD) ‡

6.MODEL CODE: SLKC1B4

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ALEX ZHANG 10NOV2016	TE Connectivity															
DIMENSIONS: mm		CHK LORRY WANG 10NOV2016																
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD YUAN ZHONG 10NOV2016	NAME SOLAR CABLE, PV1-F, PV WIRE, 4.0 MM2/12 AWG, UL 4703, 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 -
0 PLC	±																	
1 PLC	±																	
2 PLC	±																	
3 PLC	±																	
4 PLC	±																	
ANGLES	±																	
FINISH	-																	
MATERIAL XLPO		APPLICATION SPEC -	DRAWING NO G-2270245	RESTRICTED TO -														
		WEIGHT -	SCALE -	SHEET 1 OF 1 REV E														
		CUSTOMER DRAWING																