

Solar Extension Cable

TINNED COPPER • XLPO • XLPO



01 | APPLICATION:

An important part of the solar system. Good connection quality ensures the long-term safe operation of the photovoltaic system and effectively reduces the failure rate and late operation cost of the photovoltaic system. Suitable for desert, lake, seaside, mountain and other harsh outdoor environment

02 | CONSTRUCTION:

Conductor:	Tinned fine copper strands acc.to VDE 0295/IEC 60228Class 5
Insulation:	XLPO flame retardant halogen free electron-beam cross-linked
Jacket:	XLPO flame retardant halogen free electron-beam cross-linked
Insulation color:	● Black
Jacket color:	● Blackor ● Red

03 | CHARACTERISTICS:

Voltage Rating: DC:	DC:1 500V / AC: 1.0 kV
Insulation resistance :	1000Ω/km
Test voltage:	AC6.5kv 50Hz 5min
Temperature Rating:	-40°C-- +90°C
Flame retardant:	EN 60332.1-1

04 | STANDARDS:

RoHS CE TÜV
EN 50618, TÜV 2 PFG 1169/08.2007
IEC62930



DIMENSIONS

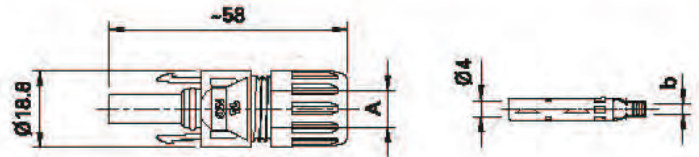
KUKA PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
K1S10015BK000	1	1.5	4.6	34
K1S10025BK000	1	2.5	5.0	45
K1S10040BK000	1	4	5.5	59
K1S10060BK000	1	6	6.0	78
K1S10100BK000	1	10	7.9	130
K1S10160BK000	1	16	8.8	190
K1S10250BK000	1	25	11.0	292
K1S10350BK000	1	35	12.3	390
K1S10500BK000	1	50	14.6	558
K1S10700BK000	1	70	16.5	770
K1S10950BK000	1	95	18.0	960
K1S11200BK000	1	120	19.7	1185
K1S11500BK000	1	150	21.0	1470
K1S11850BK000	1	185	24.7	1845
K1S12400BK000	1	240	27.0	2350

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.

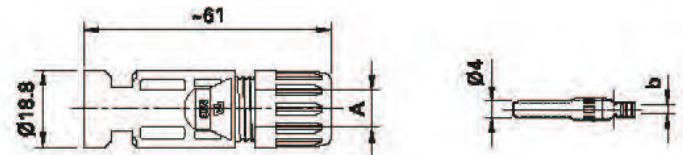
Female and male cable coupler MC4

FEMALE AND MALE CABLE COUPLER AS INDIVIDUAL PART (INCLUDING INSULATING PART)

PV-KBT4...



PV-KST4...



Order no.	Type	Female cable coupler	Male cable coupler	Range of cable gland	Conductor cross section			Approvals							
					Δ (mm)	mm ²	AWG	l (mm)	TÜV	RAI	SE	CEC			
32.0010P0001-UR	PV-KBT4/2,5I-UR	x		5-6	2,5	14	3	x	x	x	x				
32.0011P0001-UR	PV-KST4/2,5I-UR		x	5-6	2,5	14	3								
32.0140P0001-UR	PV-KBT4/2,5X-UR	x		5,5-7,4	2,5	14	3								
32.0141P0001-UR	PV-KST4/2,5X-UR		x	5,5-7,4	2,5	14	3								
32.0012P0001-UR	PV-KBT4/2,5II-UR	x		5,9-8,8	2,5	14	3								
32.0013P0001-UR	PV-KST4/2,5II-UR		x	5,9-8,8	2,5	14	3								
32.0014P0001-UR	PV-KBT4/6I-UR	x		5-6	4;6	12;10	5								
32.0015P0001-UR	PV-KST4/6I-UR		x	5-6	4;6	12;10	5								
32.0142P0001-UR	PV-KBT4/6X-UR	x		5,5-7,4	4;6	12;10	5								
32.0143P0001-UR	PV-KST4/6X-UR		x	5,5-7,4	4;6	12;10	5								
32.0016P0001-UR	PV-KBT4/6II-UR	x		5,9-8,8	4;6	12;10	5								
32.0017P0001-UR	PV-KST4/6II-UR		x	5,9-8,8	4;6	12;10	5								
32.0080-UR	PV-KBT4/8II-UR	x		6,05-8,56	-	8	4,4					x	x		
32.0081-UR	PV-KST4/8II-UR		x	6,05-8,56	-	8	4,4								
32.0034P0001	PV-KBT4/10II	x		5,9-8,8	10	-	7,2	x			x				
32.0035P0001	PV-KST4/10II		x	5,9-8,8	10	-	7,2								

NOTE:

For more detailed information concerning the suitable cable gland range, please consult MA231