



PV-ONCT4B



PV-ONCT4T



PV-ONCT4C



PV-ONBC2



PV-ONBC3



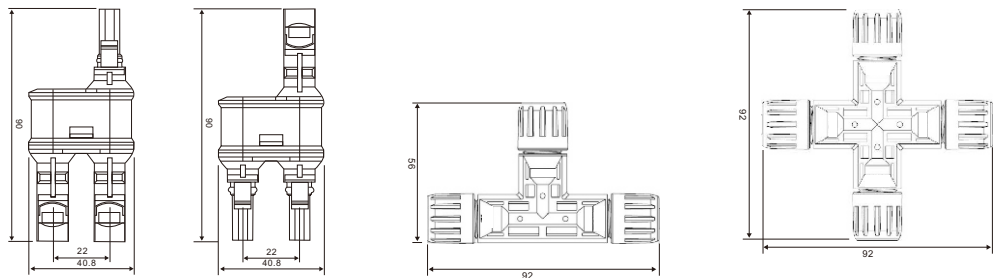
PV-ONBC4

Branch Connector 1500V DC

- Made of anti-aging and UV-resistant material
 - Low heat and power loss
 - High robustness, high grade reliable connection
- Convenient installation, strong commonality.
 - Suitable for usage under bad outdoor condition

Type	PV-ONCT4B	PV-ONCT4T	PV-ONCT4C
Description	Branch connector	Tee connector	Cross connector
PIN diameter	4mm	4mm	4mm
Rated voltage	1000V DC (IEC)	1000V , 1500V DC (IEC)	1000V , 1500V DC (IEC)
Rated current	max.30A	max.49A	max.49A
Conductor cross section	max.6.0 mm ²	max.6.0 mm2	max.6.0 mm2
Impulse withstand voltage	6kV((50Hz,1 min)	8kV((50Hz,1 min)	8kV((50Hz,1 min)
Ambient temperature range	-40°C to 90°C(IEC)	-40°C to 90°C(IEC)	-40°C to 90°C(IEC)
Insulation material	PC/PA	PC/PA	PC/PA
Contact material	Tin plated copper alloy	Tin plated copper alloy	Tin plated copper alloy
Contact resistance	1mΩ	1mΩ	1mΩ
Protection degree	IP67	IP68	IP68
Flame class	UL94-V0	UL94-V0	UL94-V0
Safety class	Class II	Class II	Class II
Locking system	Snap-in	Snap-in	Snap-in

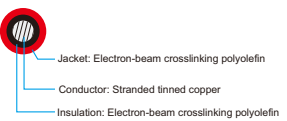
Dimensions(mm)



Branch cable 1500V DC

- Made of anti-aging and UV-resistant material
 - Low heat and power loss
 - High robustness, high grade reliable connection
- Convenient installation, strong commonality.
 - Suitable for usage under bad outdoor condition

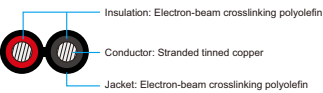
Type	PV-ONBC2	PV-ONBC3	PV-ONBC4	PV-ONBC6
Description	2 branch cable	3 branch cable	4 branch cable	6 branch cable
Connector	1 male to 2 female or 1 female to 2 male	1 male to 3 female or 1 female to 3 male	1 male to 4 female or 1 female to 4 male	1 male to 6 female or 1 female to 6 male
Main cable length	60cm	60cm	60cm	60cm
Branch cable length	10cm	10cm	10cm	10cm
PIN diameter	4mm	4mm	4mm	4mm
Rated voltage	1500V DC (IEC)	1500V DC (IEC)	1500V DC (IEC)	1500V DC (IEC)
Rated current	30A	30A	30A	30A
Impulse withstand voltage	6kV((50Hz,1 min)	6kV((50Hz,1 min)	6kV((50Hz,1 min)	6kV((50Hz,1 min)
Ambient temperature range	-40°C to 90°C(IEC)	-40°C to 90°C(IEC)	-40°C to 90°C	-40°C to 90°C
Insulation material	PPE/PA	PPE/PA	PPE/PA	PPE/PA
Contact material	Tin plated copper alloy	Tin plated copper alloy	Tin plated copper alloy	Tin plated copper alloy
Contact resistance	0.5mΩ	0.5mΩ	0.5mΩ	0.5mΩ
Protection degree	IP67	IP67	IP67	IP67
Flame class	UL94-V0	UL94-V0	UL94-V0	UL94-V0
Safety class	Class II	Class II	Class II	Class II



PV Cable single

- Double insulation, all weather adaptability.
 - Resistance to UV, water, ozone, oil, fluids and oxygen.
 - Halogen-free, inflaming retarding, low toxic material.
- Good abrasion resistance, excellent softness and stripping performance.
 - High current carrying capacity.

Type	(mm2)	1X1.5	1X2.5	1X4.0	1X6.0	1X10	1X16	1X25	1X35
Conductor construction	n/mm	30/0.25	49/0.25	56/0.285	84/0.30	84/0.40	128/0.40	192/0.40	276/0.40
Conductor outer diameter	mm	1.58	2.02	2.35	3.20	4.60	5.60	6.95	8.30
Cable outer diameter	mm	4.90	5.45	6.10	7.20	9.00	10.20	12.00	13.8
Conductor resistance (20°C)	Ω/km	13.7	8.21	5.09	3.39	1.95	1.24	0.795	0.565
Current carrng capacity(60°C)	A	30	41	55	70	98	132	176	218
Rated voltage		DC 1.8 kV		AC 0.6/1.0kV					
Ambient temperature range		-40°C to +90°C							
Max. conductor temperature		+120 °C							
Reference short circuit temp.		200°C, 5s							
Service life		>25 years							
Colours		Black , Red , Blue							
Impulse withstand voltage		DC 15 kV AC 6.5kV , 5min							
Min bending radius		≥4x Φ(D<8mm) , ≥6x Φ(D≥8mm)							



PV Cable twin

- Double insulation, all weather adaptability.
 - Resistance to UV, water, ozone, oil, fluids and oxygen.
 - Halogen-free, inflaming retarding, low toxic material.
- Good abrasion resistance, excellent softness and stripping performance.
 - High current carrying capacity.

Type	(mm2)	2X2.5	2X4.0	2X6.0	2X10
Conductor construction	n/mm	47/0.25	52/0.30	78/0.30	84/0.40
Conductor outer diameter	mm	1.98	2.35	3.06	3.92
Cable outer diameter	mm	4.2X86	4.6X9.4	5.3X10.8	8.3X16.9
Conductor resistance (20°C)	Ω/km	8.21	5.09	3.39	1.95
Current carrng capacity(60°C)	A	41	55	70	98
Rated voltage		DC 1.8 kV		AC 0.6/1.0kV	
Ambient temperature range		-40°C to +90°C			
Max. conductor temperature		+120 °C			
Reference short circuit temp.		200°C, 5s			
Service life		>25 years			
Colours		Black , Red			
Impulse withstand voltage		DC 15 kV AC 6.5kV , 5min			
Min bending radius		≥4x Φ(D<8mm) , ≥6x Φ(D≥8mm)			