

Amphenol® H4



SOLAR CONNECTOR



RADSOK® CONTACT

Connector
Inventory
Available
NOW!

TRADE SHOW SPECIAL
Buy 1000 Connectors
get 1 **FREE**
CRIMPING
TOOL
Limit 5, offer expires March 31, 2010

Technical Data:

Rated current	36A(AWG14),45A(AWG12),52A(AWG10)
Rated voltage	1000V (IEC/CEI), 600V(UL)
Test Voltage	6kV for 1 minute, 10kV impulse (1.2/50 S)(IEC)
Typical contact resistance	0.25m
Contact material	Copper, tin plated
Contact System	Machined/cold formed contact with Radsok® insert
Insulation material	PBT/PC
Locking mechanism	Snap lock
Cable strain relief	Compression gland with ratcheting gland nut
Degree of protection	IP68 (1 meter, 1 hour) mated, IP2X unmated (IEC60529)
Safety class	II (IEC61140)
Pollution Degree	2 (IEC60664)
Overvoltage category	III (IEC60664)
Flammability Class	UL94 V0
Temperature range	-40 +90(IEC/CEI), max. temperature +105(IEC/CEI)

H4 Features:

- Fully intermateable with MC4
- Meets all new NEC 2008 requirements
- Quick and easy secure snap lock mating
- Simple unlocking tool meets NEC requirements
- Long term UV and Ozone resistance
- Highest current rating in industry
- RoHS compliant
- Complete Cable Assemblies available
- Low contact resistance means low power loss
- Ready for field assembly
- No assembly required, no small parts to lose
- UL and TUV approved

USA SOLAR CABLE

USA SOLAR CABLE – TYPE PV UL4703 DIRECT BURIAL is a single conductor cable which meets the newest standards of NEC Article 690 and the UL 4703 Issue 3 revision of Nov 17, 2009 applying to direct burial. Applications include “pigtail” wires on the back of PV Panels; “homerun” connections between PV strings, combiner boxes and inverters.

- Suitable for continuous operating temperature of 90°C wet or dry,
- UL Listed as sunlight resistant,
- UL VW 1 flame resistance,
- UL listed Type PV, RHH/RHW 2, UL 44, UL 4703,
- Stranded copper conductor, flexible tinned copper available by special order,
- Sizes 14AWG – 4/0AWG
- Voltage ratings 600V, 1000V, 2000V,
- Can be used on transformerless inverter systems @ 2kv rating

LEED
FRIENDLY

Cable Part Numbers:









PART NUMBERS	DESCRIPTION
10 01PV2KVXDB	2KV PV WIRE DIRECT BURIAL XLP DOUBLE INSULATION
10 01PV2KVECPE	2KV PV WIRE EPR/CPE INSULATION AND JACKET
10 01PV2KVXPVC	2KV PV WIRE XLP/PVC INSULATION AND JACKET
10 01PV1KVL SZH	1KV PV WIRE XLP/XLPO INSULATION AND JACKET LSZH
10 01XLP USEBK	600V USE 2 UL, 1000V RWU90, XLP DUAL RATED

Also available sizes 14AWG 4/0AWG

Solar Connectors:



PART # (10AWG)	DESCRIPTION	PICTURE
PV 090506 M	CABLE CONNECTOR MALE	
PV 090506 F	CABLE CONNECTOR FEMALE	
PV 090506 000	CABLE CONNECTOR MATED PAIR	
PV 080510 M	PANEL MOUNT RECEPTACLE MALE	
PV 080510 F	PANEL MOUNT RECEPTACLE FEMALE	
PV 080510 000	PANEL MOUNT RECEPTACLE MATED PAIR	

Tools:

PV 670508 000
Crimp Tool



PV 670803 000
Wrench/disconnect



PV 670509 000
Strip Tool



PV 670804 000
Unlocking Ring Tool

