



### Application

Our Solar Inverter Cable is designed and built for industrial applications. This cable is for installation in cable trays or raceways and can be used for power, lighting control, or signaling. Solar Inverter Cable is tough and resistant to the elements, and can be deployed in wet or dry locations and indoors or outdoors. This versatility makes it ideal for multiple applications, including oil, gas, and solar energy systems. Stranded copper conductors (ASTM B-8), polyvinyl chloride (PVC) insulated, jacketed in nylon for moisture and heat resistance. Phase identified and cabled together with fillers and/or binders as required. Cabled core is covered with an overall black PVC jacket that is gas and oil resistant. Jacket available in colors. Suitable for use in hazardous locations: Class 1 and 2, Division 2.

### Applicable Standards and Tests:

UL 1277 at 600 volts, Flame Rated: IEEE 1202 (70,000 BTU), ICEA S-95-658/NEMA WC-70, Temperature Rated at 90°C to -25°C Wet/Dry, Sunlight Resistant, Color Code: E2 (Black & Red) is standard — E1 (Black & White) and NEMA WC 57/ICEA S-73-532 available upon request

### Print Legend:

KRIS-TECH WIRE 12 AWG 2 CONDUCTOR FLAT MICRO INVERTER CABLE 600V 90°C SUNLIGHT RESISTANT

### Construction:

**Conductors:** Concentric 19 strand soft drawn annealed copper per UL and ASTM requirements. Tinned conductors and other stranded configurations are available upon request.

**Insulation:** Concentrically applied PVC insulation with a Nylon jacket. Rated at 90°C dry and 75°C wet. Single conductors are Oil & Gas Resistant II.

**Jacket:** A black, flame resistant, Polyvinyl Chloride (PVC) jacket is extruded over the assembly. The surface profile shall approximate that of the interior assembly.

### Identification and Packaging:

The wire shall be identified by surface marking indicating the manufacturer, conductor size, voltage rating, UL symbol, and type designation. Custom lengths, color, and packaging is available by request.

AWG	Number of Conductors	Jacket Thickness (mils)	Nominal Diameter over Jacket (inches)	Approximate Net Weight (lbs./Mft.)
12	2	45	0.22 x 0.35	82