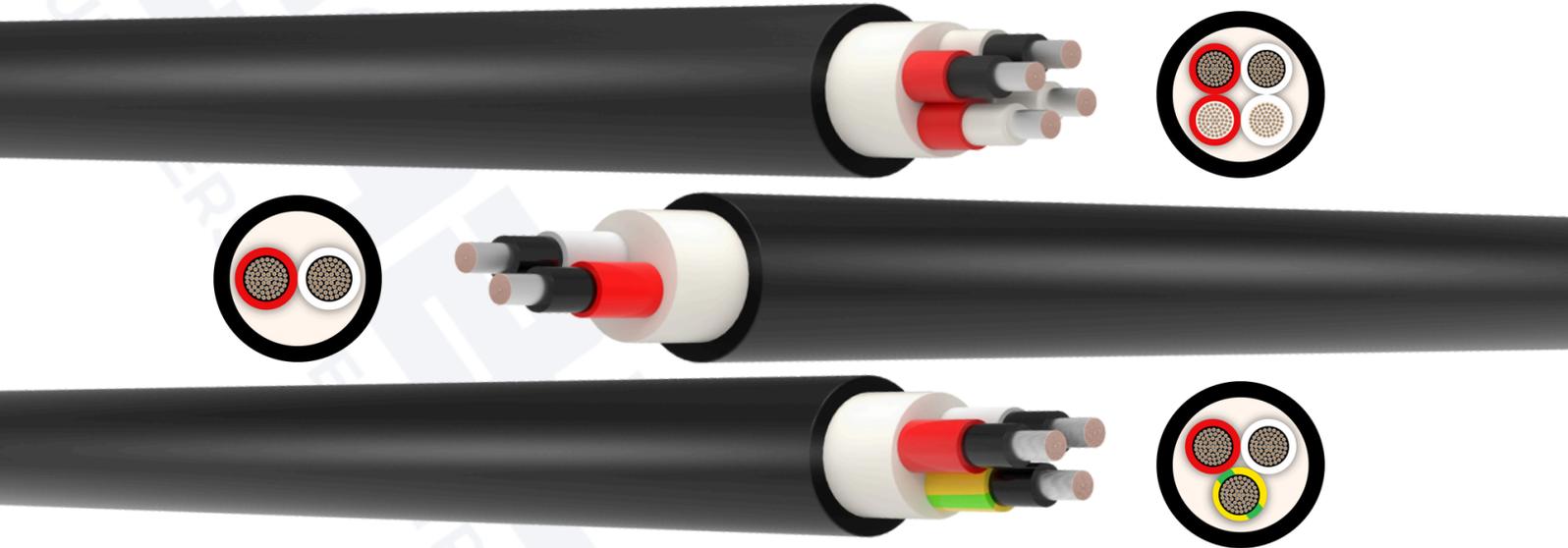




PV-Ultra®

Multi Core Solar PV Cable



DESCRIPTION

Conductor: Tinned Annealed Copper Class 5 Flexible, **Insulation:** Double insulated cross-linked and fulfilling the requirements of BS EN 50618 Annex B, **Bedding:** CarbonTek®, **Sheath:** SolarTek®.

APPLICATION

This cable is specifically crafted to fulfil the DC interconnection requirements between solar panels and other components within the photovoltaic system, including isolators and inverters. PV-Ultra boasts outstanding mechanical properties, enabling installation both internally and externally. Crafted with premium materials, it is designed to ensure an expected lifespan of approximately 25 years.

The cables are engineered to function at a standard maximum conductor temperature of 90°C. However, they are permitted to operate at a maximum conductor temperature of 120°C for up to 20,000 hours, provided the maximum ambient temperature does not exceed 90°C.

TECHNICAL DATA

Temperature Rating: From -15°C to +90°C
Standards/Approvals: BS7671

TDS 1 OF 2



PV-Ultra®

Multi Core Solar PV Cable

| DIMENSIONS | | | | | | |
|--------------------------------------|------------------------------------|-----------------|-----------------------|------------|----------------|--------------------------|
| Number and Nominal CSA of Conductors | Core Colours | Max. Cond. Res. | Nominal OD of bedding | Approx. OD | Approx. weight | Current Rating (Clipped) |
| | | Ω/km | mm | mm | Kg/Km | A |
| 2 x 4.0mm ² | Red, White | 5.09 | 12.6 | 15.0 | 335 | 52 |
| 2 x 6.0mm ² | Red, White | 3.39 | 14.0 | 16.5 | 405 | 67 |
| 2 x 10.0mm ² | Red, White | 1.95 | 17.0 | 19.4 | 655 | 93 |
| 3 x 4.0mm ² | Red, White, G/Y | 5.09 | 13.7 | 16.0 | 405 | 44 |
| 3 x 6.0mm ² | Red, White, G/Y | 3.39 | 15.0 | 17.3 | 490 | 67 |
| 4 x 4.0mm ² | Red, White, Red, White | 5.09 | 15.3 | 17.7 | 585 | 44 |
| 4 x 6.0mm ² | Red, White, Red, White | 3.39 | 17.0 | 19.4 | 715 | 57 |
| 4 x 10.0mm ² | Red, White, Red, White | 1.95 | 20.3 | 22.9 | 915 | 93 |
| 5 x 4.0mm ² | Red, White, Red, White, G/Y | 5.09 | 17.0 | 19.3 | 602 | 44 |
| 5 x 6.0mm ² | Red, White, Red, White, G/Y | 3.39 | 18.8 | 21.0 | 762 | 67 |
| 6 x 4.0mm ² | Red, White, Red, White, Red, White | 5.09 | 20.6 | 24.6 | 845 | 44 |
| 6 x 6.0mm ² | Red, White, Red, White, Red, White | 3.39 | TBC | TBC | TBC | 67 |

Current carrying capacities based on ambient temperature of 60°C, for temperatures above 60°C temperature derating factors should be applied as follows 70°C=0.91, 80°C=0.82, 90°C=0.71. Refer to BS7671 for further guidance.

ALL FIGURES QUOTED ARE APPROXIMATE

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

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