

TECSUN URBAN H1Z2Z2-K DCA

The smart photovoltaic cable made in the EU



Dca
CPR

PRODUCT FAMILY DESCRIPTION

The **Tecsun Urban Dca** is a UV-resistant, halogen-free solar cable, suitable for use in photovoltaic power supply systems, indoor and/or outdoor. With its class 5 conductor and state-of-the-art compound system, the cable offers excellent flexibility even in cold conditions. The Tecsun Urban is an excellent choice for e.g. rooftop installations, an eco-friendly and TÜV approved solution. The cables may be installed fix, freely suspended or free moveable, in cable trays, conduits or on walls. The cable is water resistant and if protected properly and installation is done acc. applicable standards and rules, the cable can be laid directly into the ground.

The expected lifetime under normal conditions is min. 25 years and the operating temperature of the cable is from -40°C up to 90°C (120°C for min. 20000h).

GENERAL INFORMATION

Brand	Prysmian
Application	Residential Installations; Sustainable Energy & Installations

STANDARDS



<HAR>



RoHS

IEC 62930

DIN EN 50618

EN 60332-1-2

General
General
Fire performance

CABLE-DESIGN

Conductor material	Copper
Conductor surface	Tinned
Core insulation material	Crosslinked polymer
Material outer sheath	Crosslinked polymer
Cable shape	Round
Cable marking example	Current carrying capacity acc. to EN50618 Table A.3

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ELECTRICAL & THERMAL PARAMETERS

Nominal voltage U [V]	1,000
Nominal voltage DC U [V]	1,500
Max. voltage DC Um [V]	1,800
Test voltage [kV]	4
Rated voltage U0/U (Um)	1,1/1,1 kV
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Minimum temperature for fix installation [°C]	-40
Maximum temperature for fix installation [°C]	80
Laying temperature (min) [°C]	-25
Laying temperature (max) [°C]	80

CHARACTERISTICS

Outdoor installation	Yes
Bending radius (rule)	Acc. to DIN EN 50565-1, Table 3; 3 X D for fixed installations; 4 X D for flexible installations

CHEMICAL PROPERTIES

Flame retardant	In accordance with EN/IEC 60332-1-2
Halogen free	acc. IEC/EN 60754-1/2
CPR reaction to fire	Eca
Resistant to chemicals	Yes
Chemical resistance	Yes
Oil resistant	acc. IEC/EN 60811-404
Ozone resistance	Yes
Resistant to UV	Yes
Moisture resistance	Yes

SUSTAINABILITY COMMITMENT

Our commitment to a low-carbon future remains unwavering as we strive to create sustainable solutions while upholding quality standards. We prioritize sustainability and environmental protection in our daily operations, collaborating with local communities to ensure workplace safety and safeguard the areas we operate in.

Sustainability and environmental responsibility is evident also in our **packaging** solutions across the CEE region. We use fully recyclable drum cover foils to minimize environmental impact. Our packaging for rings is made from 30% recycled materials, supporting a circular economy. Additionally, our boxes are made from recyclable, environment-friendly cardboard, promoting eco-conscious choices. By choosing Prysmian, you are not only selecting high-quality products but also contributing to a greener future.

Check for more details about our sustainability commitment here: [Sustainability report and responsibility](#).



CABLE PROPERTIES

SAP code	Packaging type	Basic construction	Packaging length	Nominal outer diameter [mm]	Cable weight [kg/km]	Colour outer sheath
20488471	Bobbin	1x4	500	5.7	55.9	Black
20488457	Bobbin	1x4	500	5.7	55.9	Red
20488472	Bobbin	1x6	500	6.2	75.1	Black
20488458	Bobbin	1x6	500	6.2	75.1	Red
20488330	Bobbin	1x10	500	7.1	116	Black
20488459	Bobbin	1x10	500	7.1	116	Red
20488473	Bobbin	1x16	500	8.8	180	Black
20488460	Bobbin	1x16	500	8.8	180	Red

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