

# MBCUPROFI-J 300/500V CPR E

PVC installation cables



## PRODUCT FAMILY DESCRIPTION

The versatile classic returns in an even better form.

With unchanged metal content, the Prysmian MBCUprofi-J cable is a product based on an internal specification, inspired by the VDE-based NYM standard. With the highly visible color stripes on the outer sheath, the end user can easily identify the cross-section of the cable and the number of cores inside from far away. It is an ideal, high-quality, and safe choice for indoor and outdoor electrical installations. It is suitable for installation in dry, damp, and humid rooms, whether surface-mounted, embedded in walls, under plaster, or encased in concrete – except for vibrated or tamped concrete. It can also be used outdoors, provided it is protected from direct sunlight.

Important: It must not be installed directly in the ground.

Made in Hungary.

## GENERAL INFORMATION

Brand	Prysmian
Application	Building Installations;Residential Installations;Industrial Installations

## STANDARDS



RoHS

<b>MKM TE 1166-14</b>	General
<b>EN 50525-1</b>	General
<b>HD 308 S2</b>	Core identification
<b>EN 50334</b>	Core identification
<b>EN IEC 60228</b>	Conductor
<b>EN 50363-3</b>	Compound
<b>EN 50363-4-1</b>	Compound
<b>HD 60364-5-52</b>	LV Electrical equipment
<b>EN 60332-1-2</b>	Fire performance

## CABLE-DESIGN

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Polyvinyl chloride (PVC)
Material outer sheath	Polyvinyl chloride (PVC)
Cable shape	Round

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## ELECTRICAL & THERMAL PARAMETERS

Rated voltage U0/U (Um)	300/500 V
Test voltage [kV]	2
Max. conductor temperature at short circuit [°C]	160
Max. conductor temperature [°C]	70
Minimum temperature for fix installation [°C]	-5
Maximum temperature for fix installation [°C]	50

## CHARACTERISTICS

Outdoor installation	Yes
Underground installation	Yes
Bending radius (rule)	During installation: 12 x D

## CHEMICAL PROPERTIES

Silicon free	Yes
Lead free	Yes
Flame retardant	In accordance with EN/IEC 60332-1-2
CPR reaction to fire	Eca

## 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	Basic construction	Type	Conductor category	Nominal outer diameter [mm]	Cable weight [kg/km]	DOP number
20508258	3x1,5RE	-J	Class 1 = solid	7.3	99	1001563
20508259	3x1,5RE	-J	Class 1 = solid	7.3	99	1001563
20508274	3x2,5RE	-J	Class 1 = solid	8.5	144	1001563
20508273	3x2,5RE	-J	Class 1 = solid	8.5	144	1001563
20508260	5x1,5RE	-J	Class 1 = solid	8.6	141	1001563
20508275	5x1,5RE	-J	Class 1 = solid	8.6	141	1001563
20508276	5x2,5RE	-J	Class 1 = solid	10.2	208	1001563
20508311	5x2,5RE	-J	Class 1 = solid	10.2	208	1001563

## STRIPE COLORS

Erek száma x vezető keresztmetszet (mm <sup>2</sup> )	Szín
3x1,5	Kék
3x2,5	Zöld
5x1,5	Lila
5x2,5	Sárga