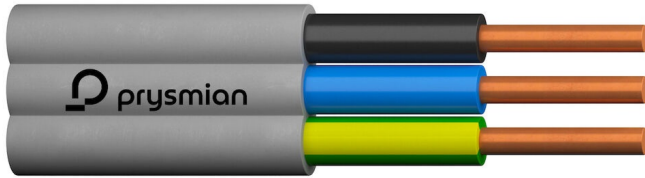


AT-N05VVHU 300/500V CPR E

Building wires with PVC sheath



Eca
CPR

PRODUCT FAMILY DESCRIPTION

For fixed installation in dry, humid or wet rooms. Not suitable for laying directly in concrete if the concrete is subjected to a vibrating, shaking or ramming process. Not suitable for unprotected laying outdoors or in trenches or cable trenches. In trenches or cable trenches, laying is possible up to a length of 50 m in the protective tube.

GENERAL INFORMATION

Brand	Prysmian
Application	Building Installations;Residential Installations;Industrial Installations

STANDARDS



RoHS

ÖVE/ÖNORM E 8242
EN 60332-1-2

General
Fire performance

CABLE-DESIGN

Conductor material	Copper
Conductor surface	Bare
Core identification (acc. HD 308 S2)	Yes
Core insulation material	Polyvinyl chloride (PVC)
Material outer sheath	Polyvinyl chloride (PVC)
Cable shape	Flat

ELECTRICAL & THERMAL PARAMETERS

Nominal voltage U ₀ [V]	300
Nominal voltage U [V]	500
Test voltage [kV]	2
Rated voltage U ₀ /U (U _m)	300/500 V
Max. conductor temperature [°C]	70
Max. conductor temperature at short circuit [°C]	160
Minimum temperature for fix installation [°C]	-5
Maximum temperature for fix installation [°C]	50
Minimum temperature for flexible installation [°C]	5
Maximum temperature for flexible installation [°C]	50
Laying temperature (min) [°C]	5
Laying temperature (max) [°C]	50

CHARACTERISTICS

Bending radius (rule)	During installation: 4-6 x D
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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	Nominal outer diameter [mm]	Cable weight [kg/km]	DOP number
20225550	2x1,5	9.1	57	1005004
20210228	2x2,5	10.6	87	1005004
20210226	3x1,5	12.3	83	1005004
20210227	3x1,5	12.3	83	1005004
20210229	3x2,5	14.5	128	1005004

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