

## HVD B2ca 70 degr C 450/750 V black# 1.5 mm<sup>2</sup>

834376



### GENERAL INFO

#### Product description

HVD B2ca is a **halogen-free installation wire with a very high level of fire safety**. The wire is used in installation tubes and for the wiring of switch cabinets and distribution boxes, devices, etc.

HVD B2ca is suitable for buildings with a very high fire risk, specifically building installations, residential construction, OEM, data centres, hospitals and tunnels.

This wire is not only fire safe thanks to the halogen-free insulation, but also **easy to strip**, which makes it **easy to use**. The cable coding is easy to read thanks to ink wheel printing and enables **easy identification** of the installation wire during and even after the installation.

HVD installation wire with a nominal conductor diameter of 1.5 mm<sup>2</sup> or 2.5 mm<sup>2</sup> is available in the special robust Octabox packaging.

This halogen-free installation wire meets fire grade **B2ca-s1,d1,a1** according to NEN-EN 50575 for use in buildings with a very high fire risk according to NEN 8012.

#### Generic name(s)

H07Z1-R, H07Z1-U

### CERTIFICATIONS AND DESIGN STANDARDS

#### Certifications and approvals



#### Standards

### PRODUCT DESIGN

Conductor material

Copper

Conductor surface

Bare

Core insulation material

Halogenfree polymer

## APPLICATION PROPERTIES

Nominal voltage U <sub>0</sub> [V]	450
Nominal voltage U [V]	750
Test voltage [kV]	2.5
Max. conductor temperature [°C]	70
Min. outer temperature, fixed installation [°C]	-40
Max. outer temperature, fixed installation [°C]	50
Low temperature resistant (acc. EN 60811-504+505+506)	Yes
UV resistant	Yes
Outdoor installation	Yes
Min. outer temperature during installation [°C]	-20
Max. outer temperature during installation [°C]	50

## FIRE PROPERTIES

Flame retardant	In accordance with EN 13501-6
Halogen free	acc. IEC/EN 60754-1/2
Low smoke	Yes
CPR Euroclass reaction to fire	B2ca
CPR Euroclass smoke development	s1
CPR Euroclass flaming particles	d1
CPR Euroclass acidity	a1

## PRODUCT RANGE

Product code	834376
Basic construction	1,5 mm <sup>2</sup>
Conductor category	Class 1 = solid
Core colour	Black
Nominal outer diameter [mm]	2.9
Cable weight [kg/km]	19
Min. bending radius, fixed [mm]	15
DOP number	1017294

## ELECTRICAL PROPERTIES

Product code	834376
Basic construction	1,5 mm <sup>2</sup>
Current carrying capacity [A]	15.5
Conductor resistance at 20° C [Ohm/km]	12.1
Conductor resistance at operation temperature [Ohm/km]	14.5
Pulling force pulling head [N]	75
Pulling force with pulling hose [N]	25

Current load according to NEN1010:2015, Table 52.B

## PACKAGING

External article code	Standard packaging quantity	User unit	Packaging type
834376D3	100	MTR	Carton box