

XLPE insulated flexible Loop Detector wire yellow# 1.5 mm<sup>2</sup>  
112465



## GENERAL INFO

### Product description

TD-LW XLPE is a **flexible, halogen-free detection loop cable**. The cable is used for traffic control systems, road signs, and barriers. The cable is designed for road infrastructure.

The vulcanised polyethylene (XLPE) insulation has several advantages. It allows for **installation at low temperatures**, and guarantees that the cable retains its electrical properties, even at bitumen of 160 °C, without affecting its service life. The XLPE insulation also makes the cable **resistant to mechanical stress, chemicals, oils and greases**. This cable is **resistant to vibration** and **easy to install** thanks to the flexible conductor (Class 5).

### Generic name(s)

TD-LW xlpe

## CERTIFICATIONS AND DESIGN STANDARDS

### Certifications and approvals

**RoHS** 

## PRODUCT DESIGN

Conductor material	Copper
Conductor surface	Bare
Core insulation material	XLPE

## APPLICATION PROPERTIES

Nominal voltage U0 [V]	1,000
Nominal voltage U [V]	1,000
Test voltage [kV]	2.5
Oil resistant	acc. IEC/EN 60811-404
Max. conductor temperature [°C]	90
Min. outer temperature, fixed installation [°C]	-40
Max. outer temperature, fixed installation [°C]	80
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]	80
Underground installation	Yes

## FIRE PROPERTIES

Flame retardant	No
Halogen free	acc. IEC/EN 60754-1/2
Low smoke	No

## PRODUCT RANGE

Product code	112465
Basic construction	1,5 mm <sup>2</sup>
Conductor category	Class 5 = flexible
Core colour	Yellow
Nominal outer diameter [mm]	4
Cable weight [kg/km]	22
Min. bending radius, fixed [mm]	15

## ELECTRICAL PROPERTIES

Product code	112465
Core colours	
Basic construction	1,5 mm <sup>2</sup>
Current carrying capacity [A]	15.5
Conductor resistance at 20° C [Ohm/km]	13.3
Conductor resistance at operation temperature [Ohm/km]	12.3
Pulling force pulling head [N]	
Pulling force with pulling hose [N]	

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

## PACKAGING

External article code	Standard packaging quantity	User unit	Packaging type
112465LA	1,000	MTR	Drum
112465NN	1	MTR	Without packaging