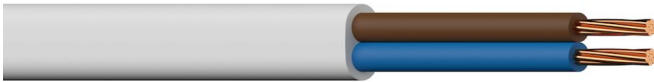


TP90 500V

Double insulated 90°C cable



GENERAL INFO

90 ° C double insulated cable for indoor low voltage installations. Example: Halogen lamps, downlights, solar panels, speaker cable
Genelec: N05XVH2-R

CABLE CONSTRUCTION

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

MARKING TEXT ON OUTER SHEATH (EXAMPLE)

STANDARDS APPLIED



Construction

IEC 60332-1

EN 50575:2014+A1:2016

Flame retardant

IEC 60228 class 2

EN 50525

Flame retardant properties

Reaction to fire

Yes

Conductors

APPLICATION PROPERTIES

Nominal voltage U₀ [V]

300

Nominal voltage U [V]

500

Rated voltage U₀/U (U_m)

300/500 V

Flame retardant

In accordance with EN/IEC 60332-1-2

Reaction-to-fire class (acc. EN 13501-6)

Eca

Max. conductor temperature [°C]

90

Min. outer temperature, fixed installation [°C]

-40

Max. outer temperature, fixed installation [°C]

70

Suitable as installation cable

Yes

Bending radius (rule)

5xD

PRODUCT RANGE / ORDER DATA

Basic construction	Colour outer sheath	DOP number	Packaging type	Standard packaging quantity	EAN-code (GTIN)	SAP	EL no.
2x1,5mm ² FR	White	1003423	Trekk&Kapp	100	6430065752097	20217405	1069206
2x1,5mm ² FR	White	1003423	Buddy	150	1003887	20235532	1003887

ER = Copper solid round

FR = Copper stranded round

FV = Copper stranded sectorshaped

AFR = Aluminium stranded round

AFV = Aluminium stranded sectorshaped

DIMENSIONAL DATA

Basic construction	Conductor category	Nominal outer diameter [mm]	Cable weight [kg/km]	Fire load [MJ/km]
2x1,5mm ² FR	Class 2 = stranded	9.27	61	

ER = Copper solid round

FR = Copper stranded round

FV = Copper stranded sectorshaped

AFR = Aluminium stranded round

AFV = Aluminium stranded sectorshaped

© PRYSMIAN GROUP 2021, all rights reserved. All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorized by Prysmian Group.