

4527001	DATA SHEET	
valid from: 2026-06-16	H07V-U (X07V-U)	

Application

H07V-U (X07V-U) are single-conductor cables with thermoplastic PVC-insulation for installation inside of closed conduits and cable ducting systems and on or under plaster as well as in similar closed systems. They are suitable for protected, stationary use in or on lighting installation or control units/ switchgear in conjunction with voltages up to 1000 V AC or 750 V DC to-ground.

Design

Design	acc. to EN 50525-2-31
Certification	The cable is characterized with the <HAR> HAR-sign or HAR-identification thread.
	Classification of fire behaviour according to EN 13501-6 and EN 50575 (article/dimension range see www.lappkabel.com/cpr)
Conductor	solid wire strands of bare copper, acc. to IEC 60228 resp. EN IEC 60228, class 1
Insulation	PVC compound TI 1 acc. to EN 50363-3

Electrical properties at 20 °C

Nominal voltage	U ₀ /U: 450 / 750 V
Test voltage	2500 V AC

Mechanical and thermal properties

Minimum bending radius	at intended use: AD ≤ 8 mm: 4 x outer diameter
	at cautious bending: AD ≤ 8 mm: 2 x outer diameter
Temperature range	Fixed installation (without vibration): -40 °C to +70 °C laying/ handling: min. +5 °C short circuit and ground leakage: max. +160 °C ambient temperature at storage: max. +40 °C max. conductor temperature: +70 °C
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2

Tests

General requirements acc. to IEC 60811 resp. EN 60811, EN 50395, EN 50396
These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive).

A part of these cables (see www.lappkabel.com/cpr) are classified in accordance with the EU-Regulation no. 305/2011 (CPR).

Environmental information These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

Note Trade product, no LAPP product

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