

# EASYFIL® - 3H07V-U

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Building Products Information  
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EASYFIL® consists of pre-assembled H07V-U wires using a peel-off binder. EASYFIL® is used for installation in surface mounted or embedded conduits, or similar closed systems

## DESCRIPTION

### Application

H07V-U conductors are used for fixed protected installations : i.e. lights or control gear (from offices, domestic or commercial buildings ...) with voltage  $\leq 1000V$  AC or  $\leq 750 V$  DC . ...

### Installation

Open air, in conduit, in cable trunking, in cable ducting. Thanks to the sliding properties of insulation, H07V-U is made to facilitate processing while pulling in.

### Design

1. **3 conductors H07V-U**  
Bare copper class 1
2. **Insulation**  
PVC  
Different colors.

### Marking

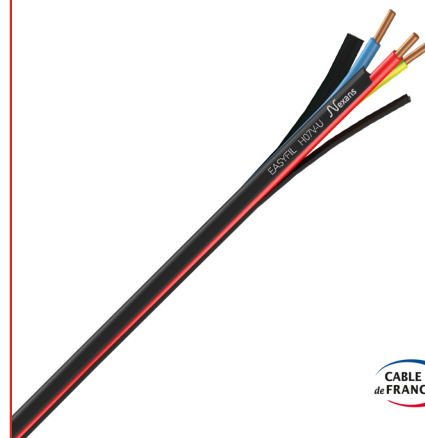
NEXANS EASYFIL section  
For each wire : S.Y + USE H07V-U factory number«har»

### Voltage drop

Calculated with Cos phi = 0,8.

### Permissible current and voltage drop are given

For conductor laid alone in insulating tube on a wall Temperature = 30°C. Permanent operation  
If conditions are different, apply correction factors from NF C 15-100 standard or other equivalent national standard.



## Recharge Compatible



## STANDARDS

**International** EN 50525-2-31;  
HD 21.3; IEC 60227-1  
**National** NF C 32-201/3

## CHARACTERISTICS

### Construction characteristics

Conductor flexibility

Solid class 1



Conductor flexibility  
**Solid class 1**



Lead free  
**Yes**



Rated Voltage Uo/U  
(Um)  
**450 / 750 V**



Mechanical  
resistance to  
impacts  
**Low**



Cable flexibility  
**Rigid**



Max.conductor  
temp.in service  
**70 °C**



Operating temp.  
**-5 - 60 °C**



Flame retardant  
**C2, NF C 32-070 &  
IEC 60332-1**

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## Construction characteristics

Conductor material	Bare copper
Conductor shape	Circular
Insulation	PVC
Lead free	Yes

## Electrical characteristics

Rated Voltage Uo/U (Um)	450 / 750 V
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## Mechanical characteristics

Mechanical resistance to impacts	Low
Cable flexibility	Rigid

## Usage characteristics

Max. conductor temperature in service	70 °C
Short-circuit max. conductor temperature	160 °C
Operating temperature, range	-5 - 60 °C
Flame retardant	C2, NF C 32-070 & IEC 60332-1
Weather resistance	-
Chemical resistance	Accidental
Water proof	Low

## LISTE DES RÉFÉRENCES

Cross section [mm²]	Colour	Length [m]	Max. outer diam. [mm]	Approx. weight [kg/km]
1.5	Blue, brown, yellow/green	25	6.8	64
1.5	Blue-Red-Yellow/green	200	6.8	64
1.5	Blue-Red-Yellow/green	500	6.8	64
2.5	Blue-Red-Yellow/green	25	7.6	104
2.5	Blue-Red-Yellow/green	150	7.6	104
2.5	Blue-Red-Yellow/green	300	7.6	104



Conductor flexibility  
**Solid class 1**



Lead free  
**Yes**



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**450 / 750 V**



Mechanical resistance to impacts  
**Low**



Cable flexibility  
**Rigid**



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**70 °C**



Operating temp.  
**-5 - 60 °C**



Flame retardant  
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## LES PLUS PRODUIT

### VRAIMENT PRATIQUE

#### 3 fils en 1

Les fils H07V-U/V-R sont préassemblés grâce à un liant pelable.

#### Évitez les noeuds

1 couronne seulement : le risque d’emmêler les fils entre couronnes disparaît tout simplement.

#### Simple à utiliser

Vous pouvez séparer les fils sans outil au moment du raccordement. Le liant est enlevé d’un simple geste de la main.

### GAIN DE TEMPS

#### Rapidité de pose

Préassemblés, vos fils H07V-U/V-R sont prêts à être posés immédiatement.

#### Manipulation aisée

Lors de la mise en goulotte, les fils restent solidaires. Plus besoin de les maintenir pour fermer les plinthes.

#### Compact et efficace

Les fils restent unis. C’est plus facile de loger plusieurs circuits.

### FACILE A POSER

#### Solidarité des fils

Vous n’avez qu’un seul et unique élément à tirer, ce qui limite les frottements dans le conduit.

#### Agent glissant intégré

Le liant a été spécialement développé pour faciliter le glissement lors du tirage.

#### EASYFIL® + N’Roll® = Facilité

En équipant votre dérouleur N’Roll® avec EASYFIL®, vous supprimez les effets de torsion des fils.



Conductor flexibility  
**Solid class 1**



Lead free  
**Yes**



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