



Conductors without external sheath, PVC insulation, for general use

STANDARDS

Product EN 50525-2-31; HD 21.3; IEC 60227-1; IEC 60228; NF C32-201/3

APPLICATION

Nexans H07V-R are insulated stranded copper conductors, used for fixed protected installations indoors for power supply or lightings (from offices, domestic or commercial buildings...) with voltage up to 1000V AC or 750V DC.

Design

1. **Conductor**
Bare copper class 2
2. **Insulation**
PVC
Different colors.

INSTALLATION

In conduit, insulated support, ducts... in covered and dry place.

Permissible current are given for conductor laid alone in insulating tube on a wall temperature at 30°C .

If conditions are different, apply correction factors in accordance with NF C 15-100 standard or other equivalent national standard.

Voltage drop

Calculated with $\cos \phi = 0,8$

MARKING

S.Y + USE «har» H07V-R factory number.



Conductor flexibility
Stranded class 2



Lead free
Yes



Rated Voltage U_0/U
(Um)
450/750 V



Mechanical
resistance to
impacts
Low



Max. conductor
temp. in service
70 °C



Operating temp.
-5 ... 60 °C



Flame retardant
**C2, NF C 32-070 &
EN 50265-2-1**



Weather resistance
No

CHARACTERISTICS

Construction characteristics

Conductor material	Copper class 2
Conductor flexibility	Stranded class 2
Conductor shape	Circular
Insulation	PVC
Lead free	Yes

Dimensional characteristics

Number of cores	1
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Electrical characteristics

Rated Voltage U ₀ /U (U _m)	450/750 V
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Mechanical characteristics

Mechanical resistance to impacts	Low
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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 & EN 50265-2-1
Weather resistance	No
Chemical resistance	Accidental
Water proof	Low

PRODUCT LIST WITH BLACK SHEATH

Nexans Ref.	Cross section [mm²]	Approx. weight [kg/km]	Conductor diam. [mm]	Nom. outer diam. [mm]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, 3 conductors [V/A.km]	Voltage drop, single phase [V/A.km]	Packaging
10026608	6	-	-	-	-	-	-	-	-
10026623	6	-	-	-	-	-	-	-	-
10241743	6	-	-	-	-	-	-	-	Box
10026400	6	-	-	-	-	-	-	-	Coil
10026610	6	-	-	-	-	-	-	-	Coil
10028634	6	-	-	-	-	-	-	-	Coil
10058781	6	-	-	-	-	-	-	-	Coil
10097303	6	-	-	-	-	-	-	-	Coil
10130804	6	-	-	-	-	-	-	-	Coil
10268906	6	-	-	-	-	-	-	-	Coil
10026839	6	-	-	-	-	-	-	-	Drum
10097430	6	-	-	-	-	-	-	-	Drum
10164439	6	-	-	-	-	-	-	-	Drum
10186332	6	-	-	-	-	-	-	-	Drum
10227182	6	-	-	-	-	-	-	-	Drum
10236214	6	-	-	-	-	-	-	-	Drum

Nexans Ref.	Cross section [mm²]	Approx. weight [kg/km]	Conductor diam. [mm]	Nom. outer diam. [mm]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, 3 conductors [V/A.km]	Voltage drop, single phase [V/A.km]	Packaging
10262698	6	-	-	-	-	-	-	-	Drum
10276232	6	-	-	4.5	-	-	-	-	Coil
10269952	6	65	2.9	4.5	41.0	36.0	5.0	6.0	Coil
10283110	6	65	2.9	4.5	41.0	36.0	5.0	6.0	Drum
10097433	10	-	-	-	-	-	-	-	Drum
10262692	10	-	-	-	-	-	-	-	Drum
10269367	10	-	-	-	-	-	-	-	Drum
10043667	10	125	3.8	5.8	57.0	50.0	3.0	3.5	Coil
10059516	16	-	-	-	-	-	-	-	Drum
10097437	16	-	-	-	-	-	-	-	Drum
10262695	16	-	-	-	-	-	-	-	Drum
10043673	16	160	4.7	6.8	76.0	68.0	2.0	2.4	Coil
10059816	16	160	4.7	6.8	76.0	68.0	2.0	2.4	Drum
10067635	25	-	-	-	-	-	-	-	Drum
10244098	35	-	-	-	-	-	-	-	Drum

PRODUCT LIST WITH GREEN/YELLOW SHEATH

Nexans Ref.	Cross section [mm²]	Approx. weight [kg/km]	Conductor diam. [mm]	Nom. outer diam. [mm]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, 3 conductors [V/A.km]	Voltage drop, single phase [V/A.km]	Packaging
10026612	6	-	-	-	-	-	-	-	-
10026626	6	-	-	-	-	-	-	-	-
10241784	6	-	-	-	-	-	-	-	Box
10026398	6	-	-	-	-	-	-	-	Coil
10026614	6	-	-	-	-	-	-	-	Coil
10028635	6	-	-	-	-	-	-	-	Coil
10058782	6	-	-	-	-	-	-	-	Coil
10097300	6	-	-	-	-	-	-	-	Coil
10130803	6	-	-	-	-	-	-	-	Coil
10268908	6	-	-	-	-	-	-	-	Coil
10026838	6	-	-	-	-	-	-	-	Drum
10097432	6	-	-	-	-	-	-	-	Drum
10164440	6	-	-	-	-	-	-	-	Drum
10213485	6	-	-	-	-	-	-	-	Drum
10227183	6	-	-	-	-	-	-	-	Drum
10236215	6	-	-	-	-	-	-	-	Drum
10262699	6	-	-	-	-	-	-	-	Drum
10276233	6	-	-	4.5	-	-	-	-	Coil

Nexans Ref.	Cross section [mm²]	Approx. weight [kg/km]	Conductor diam. [mm]	Nom. outer diam. [mm]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, 3 conductors [V/A.km]	Voltage drop, single phase [V/A.km]	Packaging
10264148	6	65	2.9	4.5	41.0	36.0	-	-	-
10269950	6	65	2.9	4.5	41.0	36.0	5.0	6.0	Coil
10283111	6	65	2.9	4.5	41.0	36.0	5.0	6.0	Drum
10274837	10	-	-	-	-	-	-	-	-
10268914	10	-	-	-	-	-	-	-	Coil
10268916	10	-	-	-	-	-	-	-	Coil
10286994	10	-	-	-	-	-	-	-	Coil
10033796	10	-	-	-	-	-	-	-	Drum
10097435	10	-	-	-	-	-	-	-	Drum
10262693	10	-	-	-	-	-	-	-	Drum
10274838	10	6	3.8	3.9	-	-	8.0	9.0	-
10264153	10	125	3.8	5.8	57.0	50.0	-	-	-
10043664	10	125	3.8	5.8	57.0	50.0	3.0	3.5	Coil
10274839	16	-	-	-	-	-	-	-	-
10274840	16	-	-	-	-	-	-	-	-
10268915	16	-	-	-	-	-	-	-	Coil
10268917	16	-	-	-	-	-	-	-	Coil
10286995	16	-	-	-	-	-	-	-	Coil
10050912	16	-	-	-	-	-	-	-	Drum
10097438	16	-	-	-	-	-	-	-	Drum
10262696	16	-	-	-	-	-	-	-	Drum
10266116	16	-	-	3.9	-	-	-	-	Coil
10266118	16	-	-	3.9	-	-	-	-	Coil
10264159	16	160	4.7	6.8	76.0	68.0	-	-	-
10043670	16	160	4.7	6.8	76.0	68.0	2.0	2.4	Coil
10059814	16	160	4.7	6.8	76.0	68.0	2.0	2.4	Drum
10026656	25	-	-	-	-	-	-	-	Drum
10244097	35	-	-	-	-	-	-	-	Drum

PRODUCT LIST WITH BLUE SHEATH

Nexans Ref.	Cross section [mm²]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, single phase [V/A.km]	Nom. outer diam. [mm]	Conductor diam. [mm]	Voltage drop, 3 conductors [V/A.km]	Approx. weight [kg/km]	Packaging
10026602	6	-	-	-	-	-	-	-	-
10026620	6	-	-	-	-	-	-	-	-
10241742	6	-	-	-	-	-	-	-	Box
10026397	6	-	-	-	-	-	-	-	Coil
10026604	6	-	-	-	-	-	-	-	Coil

Nexans Ref.	Cross section [mm²]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, single phase [V/A.km]	Nom. outer diam. [mm]	Conductor diam. [mm]	Voltage drop, 3 conductors [V/A.km]	Approx. weight [kg/km]	Packaging
10028633	6	-	-	-	-	-	-	-	Coil
10058779	6	-	-	-	-	-	-	-	Coil
10097302	6	-	-	-	-	-	-	-	Coil
10130802	6	-	-	-	-	-	-	-	Coil
10268907	6	-	-	-	-	-	-	-	Coil
10026837	6	-	-	-	-	-	-	-	Drum
10097431	6	-	-	-	-	-	-	-	Drum
10164438	6	-	-	-	-	-	-	-	Drum
10211435	6	-	-	-	-	-	-	-	Drum
10227181	6	-	-	-	-	-	-	-	Drum
10236193	6	-	-	-	-	-	-	-	Drum
10262697	6	-	-	-	-	-	-	-	Drum
10276314	6	-	-	-	4.5	-	-	-	Coil
10264144	6	41.0	36.0	-	4.5	2.9	-	65	-
10269951	6	41.0	36.0	6.0	4.5	2.9	5.0	65	Coil
10283109	6	41.0	36.0	6.0	4.5	2.9	5.0	65	Drum
10067637	10	-	-	-	-	-	-	-	Drum
10097434	10	-	-	-	-	-	-	-	Drum
10262691	10	-	-	-	-	-	-	-	Drum
10264149	10	57.0	50.0	-	5.8	3.8	-	125	-
10043666	10	57.0	50.0	3.5	5.8	3.8	3.0	125	Coil
10053260	16	-	-	-	-	-	-	-	Drum
10097436	16	-	-	-	-	-	-	-	Drum
10262694	16	-	-	-	-	-	-	-	Drum
10264154	16	76.0	68.0	-	6.8	4.7	-	160	-
10043672	16	76.0	68.0	2.4	6.8	4.7	2.0	160	Coil
10059815	16	76.0	68.0	2.4	6.8	4.7	2.0	160	Drum
10067636	25	-	-	-	-	-	-	-	Drum
10244099	35	-	-	-	-	-	-	-	Drum

PRODUCT LIST WITH BROWN SHEATH

Nexans Ref.	Cross section [mm²]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, single phase [V/A.km]	Nom. outer diam. [mm]	Conductor diam. [mm]	Voltage drop, 3 conductors [V/A.km]	Approx. weight [kg/km]	Packaging
10264146	6	41.0	36.0	-	4.5	2.9	-	65	-
10264151	10	57.0	50.0	-	5.8	3.8	-	125	-
10264157	16	76.0	68.0	-	6.8	4.7	-	160	-

PRODUCT LIST WITH RED SHEATH

Nexans Ref.	Cross section [mm²]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, single phase [V/A.km]	Nom. outer diam. [mm]	Conductor diam. [mm]	Voltage drop, 3 conductors [V/A.km]	Approx. weight [kg/km]	Packaging
10026608	6	-	-	-	-	-	-	-	-
10026623	6	-	-	-	-	-	-	-	-
10241743	6	-	-	-	-	-	-	-	Box
10026400	6	-	-	-	-	-	-	-	Coil
10026610	6	-	-	-	-	-	-	-	Coil
10028634	6	-	-	-	-	-	-	-	Coil
10058781	6	-	-	-	-	-	-	-	Coil
10097303	6	-	-	-	-	-	-	-	Coil
10130804	6	-	-	-	-	-	-	-	Coil
10268906	6	-	-	-	-	-	-	-	Coil
10026839	6	-	-	-	-	-	-	-	Drum
10097430	6	-	-	-	-	-	-	-	Drum
10164439	6	-	-	-	-	-	-	-	Drum
10186332	6	-	-	-	-	-	-	-	Drum
10227182	6	-	-	-	-	-	-	-	Drum
10236214	6	-	-	-	-	-	-	-	Drum
10262698	6	-	-	-	-	-	-	-	Drum
10276232	6	-	-	-	4.5	-	-	-	Coil
10269952	6	41.0	36.0	6.0	4.5	2.9	5.0	65	Coil
10283110	6	41.0	36.0	6.0	4.5	2.9	5.0	65	Drum
10097433	10	-	-	-	-	-	-	-	Drum
10262692	10	-	-	-	-	-	-	-	Drum
10269367	10	-	-	-	-	-	-	-	Drum
10043667	10	57.0	50.0	3.5	5.8	3.8	3.0	125	Coil
10059516	16	-	-	-	-	-	-	-	Drum
10097437	16	-	-	-	-	-	-	-	Drum
10262695	16	-	-	-	-	-	-	-	Drum
10043673	16	76.0	68.0	2.4	6.8	4.7	2.0	160	Coil
10059816	16	76.0	68.0	2.4	6.8	4.7	2.0	160	Drum
10067635	25	-	-	-	-	-	-	-	Drum
10244098	35	-	-	-	-	-	-	-	Drum

PRODUCT LIST WITH GREY SHEATH

Nexans Ref.	Cross section [mm²]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, single phase [V/A.km]	Nom. outer diam. [mm]	Conductor diam. [mm]	Voltage drop, 3 conductors [V/A.km]	Approx. weight [kg/km]	Packaging
10264147	6	41.0	36.0	-	4.5	2.9	-	65	-

Nexans Ref.	Cross section [mm ²]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, single phase [V/A.km]	Nom. outer diam. [mm]	Conductor diam. [mm]	Voltage drop, 3 conductors [V/A.km]	Approx. weight [kg/km]	Packaging
10264152	10	57.0	50.0	-	5.8	3.8	-	125	-
10264158	16	76.0	68.0	-	6.8	4.7	-	160	-

GAMMES ET COULEURS DISPONIBLES POUR PASSEO

