

H07V-R - Eca Class

H07V-R

450/750 V PVC insulated non-sheathed single core cables

DESCRIPTION

Application:

In dry rooms, switching and distribution panels,for laying in conduit on and under plaster and / or on insulating supports above plaster.

Construction:

1. Conductor:Copper
2. Insulation:PVC

Marking

NEXANS i BS EN 50525-2-31 H07V-R Number of cores x cross section BASEC



STANDARDS

International EN 50525-2-31

National BS 6004



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



Operating temp.
-20 .. 60 °C



Flame retardant
IEC 60332-1-2



Max. conductor temp. in service
70 °C

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CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Insulation	PVC

Electrical characteristics

Rated Voltage U ₀ /U (Um)	450 / 750 V
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Usage characteristics

Operating temperature, range	-20 .. 60 °C
Short-circuit max. conductor temperature	160 °C
Flame retardant	IEC 60332-1-2
Max. conductor temperature in service	70 °C

CHARACTERISTICS

Cross section [mm ²]	Outer Diameter [mm]	Max. DC Resist. Cond. 20°C [Ohm/km]	Approx. weight [kg/km]	Perm. current rating open air [A]
1.5	3	12.1	20	18
2.5	3.6	7.41	30	25
4	4.2	4.61	45	34

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Cross section [mm ²]	Outer Diameter [mm]	Max. DC Resist. Cond. 20°C [Ohm/km]	Approx. weight [kg/km]	Perm. current rating open air [A]
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6	4.8	3.08	65	43
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10	5.8	1.83	110	60
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16	6.8	1.15	170	80
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Cross section [mm ²]	Outer Diameter [mm]	Max. DC Resist. Cond. 20°C [Ohm/km]	Approx. weight [kg/km]	Perm. current rating open air [A]
25	8.3	0.727	260	110
35	9.3	0.524	360	137
50	11	0.387	480	167
70	13	0.268	700	216

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Cross section [mm ²]	Outer Diameter [mm]	Max. DC Resist. Cond. 20°C [Ohm/km]	Approx. weight [kg/km]	Perm. current rating open air [A]
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95	15	0.193	950	264
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120	16	0.153	1200	308
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150	18	0.124	1400	356
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185	20	0.099	1800	409
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240	23	0.075	2500	485
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Cross section [mm ²]	Outer Diameter [mm]	Max. DC Resist. Cond. 20°C [Ohm/km]	Approx. weight [kg/km]	Perm. current rating open air [A]
300	25	0.06	3000	561
400	28	0.047	3750	656
500	32	0.037	4750	749
630	36	0.028	6000	855

PRODUCT LIST

Nexans ref.	Country ref.	Name	Colour
☎ 10517079	TR	H07V-R 1G1.5mm ² GREEN/YELLOW	Green / yellow
☎ 10517082	TR	H07V-R 1x1.5mm ² BROWN	Brown
☎ 10518156	TR	H07V-R 1x1.5mm ² RED	Red
☎ 10517084	TR	H07V-R 1x1.5mm ² BLUE	Blue
☎ 10518157	TR	H07V-R 1x1.5mm ² BLACK	Black
☎ 10517081	TR	H07V-R 1x1.5mm ² GREY	Grey
☎ 10518160	TR	H07V-R 1G2.5mm ² GREEN/YELLOW	Green / yellow
☎ 10517167	TR	H07V-R 1x2.5mm ² BROWN	Brown
☎ 10518158	TR	H07V-R 1x2.5mm ² RED	Red
☎ 10517077	TR	H07V-R 1x2.5mm ² BLUE	Blue
☎ 10518159	TR	H07V-R 1x2.5mm ² BLACK	Black
☎ 10517258	TR	H07V-R 1x2.5mm ² GREY	Grey
☎ 10518150	TR	H07V-R 1G4mm ² GREEN/YELLOW	Green / yellow
☎ 10518151	TR	H07V-R 1x4mm ² BROWN	Brown
☎ 10517244	TR	H07V-R 1x4mm ² RED	Red
☎ 10518174	TR	H07V-R 1x4mm ² BLUE	Blue
☎ 10517246	TR	H07V-R 1x4mm ² BLACK	Black
☎ 10517063	TR	H07V-R 1x4mm ² GREY	Grey
☎ 10518145	TR	H07V-R 1G6mm ² GREEN/YELLOW	Green / yellow
☎ 10518146	TR	H07V-R 1x6mm ² BROWN	Brown
☎ 10518149	TR	H07V-R 1x6mm ² RED	Red

☎ = Make to order, ☒ = In stock

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Nexans ref.	Country ref.	Name	Colour
☎ 10518148	TR	H07V-R 1x6mm ² BLUE	Blue
☎ 10518147	TR	H07V-R 1x6mm ² BLACK	Black
☎ 10517060	TR	H07V-R 1x6mm ² GREY	Grey
☎ 10518142	TR	H07V-R 1G10mm ² GREEN/YELLOW	Green / yellow
☎ 10518143	TR	H07V-R 1x10mm ² BROWN	Brown
☎ 10517104	TR	H07V-R 1x10mm ² RED	Red
☎ 10518144	TR	H07V-R 1x10mm ² BLUE	Blue
☎ 10517102	TR	H07V-R 1x10mm ² BLACK	Black
☎ 10517100	TR	H07V-R 1x10mm ² GREY	Grey
☎ 10518138	TR	H07V-R 1G16mm ² GREEN/YELLOW	Green / yellow
☎ 10518139	TR	H07V-R 1x16mm ² BROWN	Brown
☎ 10517098	TR	H07V-R 1x16mm ² RED	Red
☎ 10518141	TR	H07V-R 1x16mm ² BLUE	Blue
☎ 10518140	TR	H07V-R 1x16mm ² BLACK	Black
☎ 10517094	TR	H07V-R 1x16mm ² GREY	Grey
☎ 10518051	TR	H07V-R 1G25mm ² GREEN/YELLOW	Green / yellow
☎ 10518058	TR	H07V-R 1x25mm ² BROWN	Brown
☎ 10517092	TR	H07V-R 1x25mm ² RED	Red
☎ 10518137	TR	H07V-R 1x25mm ² BLUE	Blue
☎ 10517090	TR	H07V-R 1x25mm ² BLACK	Black
☎ 10517088	TR	H07V-R 1x25mm ² GREY	Grey
☎ 10517048	TR	H07V-R 1G35mm ² GREEN/YELLOW	Green / yellow
☎ 10517054	TR	H07V-R 1x35mm ² BROWN	Brown
☎ 10517057	TR	H07V-R 1x35mm ² RED	Red
☎ 10517056	TR	H07V-R 1x35mm ² BLUE	Blue
☎ 10517055	TR	H07V-R 1x35mm ² BLACK	Black
☎ 10517053	TR	H07V-R 1x35mm ² GREY	Grey
☎ 10518057	TR	H07V-R 1G50mm ² GREEN/YELLOW	Green / yellow
☎ 10536039	TR	H07V-R 1x50mm ² BLACK	Black
☎ 10536040	TR	H07V-R 1x50mm ² BLUE	Blue
☎ 10536041	TR	H07V-R 1x50mm ² BROWN	Brown
☎ 10536042	TR	H07V-R 1x50mm ² GREY	Grey
☎ 10517046	TR	H07V-R 1G70mm ² GREEN/YELLOW	Green / yellow
☎ 10536085	TR	H07V-R 1x70mm ² BLACK	Black
☎ 10536086	TR	H07V-R 1x70mm ² BLUE	Blue
☎ 10536087	TR	H07V-R 1x70mm ² BROWN	Brown
☎ 10536088	TR	H07V-R 1x70mm ² GREY	Grey
☎ 10518056	TR	H07V-R 1G95mm ² GREEN/YELLOW	Green / yellow
☎ 10536109	TR	H07V-R 1x95mm ² BLACK	Black
☎ 10536170	TR	H07V-R 1x95mm ² BLUE	Blue
☎ 10536171	TR	H07V-R 1x95mm ² BROWN	Brown
☎ 10536172	TR	H07V-R 1x95mm ² GREY	Grey

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Nexans ref.	Country ref.	Name	Colour
☎ 10518055	TR	H07V-R 1G120mm ² GREEN/YELLOW	Green / yellow
☎ 10535887	TR	H07V-R 1x120mm ² BLACK	Black
☎ 10535888	TR	H07V-R 1x120mm ² BLUE	Blue
☎ 10535889	TR	H07V-R 1x120mm ² BROWN	Brown
☎ 10535890	TR	H07V-R 1x120mm ² GREY	Grey
☎ 10518054	TR	H07V-R 1G150mm ² GREEN/YELLOW	Green / yellow
☎ 10535907	TR	H07V-R 1x150mm ² BLACK	Black
☎ 10535908	TR	H07V-R 1x150mm ² BLUE	Blue
☎ 10535909	TR	H07V-R 1x150mm ² BROWN	Brown
☎ 10535910	TR	H07V-R 1x150mm ² GREY	Grey
☎ 10518053	TR	H07V-R 1G185mm ² GREEN/YELLOW	Green / yellow
☎ 10535930	TR	H07V-R 1x185mm ² BLACK	Black
☎ 10535931	TR	H07V-R 1x185mm ² BLUE	Blue
☎ 10535932	TR	H07V-R 1x185mm ² BROWN	Brown
☎ 10535933	TR	H07V-R 1x185mm ² GREY	Grey
☎ 10518052	TR	H07V-R 1G240mm ² GREEN/YELLOW	Green / yellow
☎ 10535985	TR	H07V-R 1x240mm ² BLACK	Black
☎ 10535986	TR	H07V-R 1x240mm ² BLUE	Blue
☎ 10535987	TR	H07V-R 1x240mm ² BROWN	Brown
☎ 10535988	TR	H07V-R 1x240mm ² GREY	Grey
☎ 10517146	TR	H07V-R 1G300mm ² GREEN/YELLOW	Green / yellow
☎ 10536002	TR	H07V-R 1x300mm ² BLACK	Black
☎ 10536003	TR	H07V-R 1x300mm ² BLUE	Blue
☎ 10536004	TR	H07V-R 1x300mm ² BROWN	Brown
☎ 10536005	TR	H07V-R 1x300mm ² GREY	Grey
☎ 10517145	TR	H07V-R 1G400mm ² GREEN/YELLOW	Green / yellow
☎ 10536028	TR	H07V-R 1x400mm ² BLACK	Black
☎ 10517144	TR	H07V-R 1G500mm ² GREEN/YELLOW	Green / yellow
☎ 10536051	TR	H07V-R 1x500mm ² BLACK	Black
☎ 10517143	TR	H07V-R 1G630mm ² GREEN/YELLOW	Green / yellow
☎ 10536074	TR	H07V-R 1x630mm ² BLACK	Black
☎ 10520412	TR	H07V-R 1X4 mm ² HONG KONG BLACK 500M	Black
☎ 10523032	TR	H07V-R 1X4 mm ² HONG KONG BLUE 500M	Blue
☎ 10520413	TR	H07V-R 1X4 mm ² HONG KONG BROWN 500M	Brown
☎ 10520411	TR	H07V-R 1X4 mm ² HONG KONG BLUE	Blue
☎ 10520414	TR	H07V-R 1X4 mm ² HONG KONG GREY 500M	Grey
☎ 10520415	TR	H07V-R 1G4 mm ² HONG KONG GREEN/YELLOW 500M	Green / yellow
☎ 10520417	TR	H07V-R 1X6 mm ² HONG KONG BLACK 500M	Black
☎ 10520416	TR	H07V-R 1X6 mm ² HONG KONG BLUE 500M	Blue
☎ 10533473	TR	H07V-R 1X6 mm ² HONG KONG BROWN 500M	Brown
☎ 10520418	TR	H07V-R 1X6 mm ² HONG KONG BROWN	Brown
☎ 10520419	TR	H07V-R 1X6 mm ² HONG KONG GREY 500M	Grey

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☎ 10520420	TR	H07V-R 1G6 mm ² HONG KONG GREEN/YELLOW 500M	Green / yellow
☎ 10520423	TR	H07V-R 1X10 mm ² HONG KONG BLACK 500M	Black
☎ 10520425	TR	H07V-R 1X10 mm ² HONG KONG BLUE 500M	Blue
☎ 10520422	TR	H07V-R 1X10 mm ² HONG KONG BROWN 500M	Brown
☎ 10520424	TR	H07V-R 1X10 mm ² HONG KONG GREY 500M	Grey
☎ 10520421	TR	H07V-R 1G10 mm ² HONG KONG GREEN/YELLOW 500M	Green / yellow
☎ 10520428	TR	H07V-R 1X16 mm ² HONG KONG BLACK 500M	Black
☎ 10520430	TR	H07V-R 1X16 mm ² HONG KONG BLUE 500M	Blue
☎ 10520427	TR	H07V-R 1X16 mm ² HONG KONG BROWN 500M	Brown
☎ 10520429	TR	H07V-R 1X16 mm ² HONG KONG GREY 500M	Grey
☎ 10520426	TR	H07V-R 1G16 mm ² HONG KONG GREEN/YELLOW 500M	Green / yellow
☎ 10533477	TR	H07V-R 1X25 mm ² HONG KONG BLACK	Black
☎ 10533475	TR	H07V-R 1X25 mm ² HONG KONG BLUE	Blue
☎ 10533474	TR	H07V-R 1X25 mm ² HONG KONG BROWN	Brown
☎ 10533476	TR	H07V-R 1X25 mm ² HONG KONG GREY	Grey
☎ 10533160	TR	H07V-R 1X35 mm ² HONG KONG BLACK	Black
☎ 10533540	TR	H07V-R 1X35 mm ² HONG KONG BLUE	Blue
☎ 10533479	TR	H07V-R 1X35 mm ² HONG KONG BROWN	Brown
☎ 10533161	TR	H07V-R 1X35 mm ² HONG KONG GREY	Grey
☎ 10533541	TR	H07V-R 1G35 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10520443	TR	H07V-R 1X50 mm ² HONG KONG BLACK	Black
☎ 10520445	TR	H07V-R 1X50 mm ² HONG KONG BLUE	Blue
☎ 10520442	TR	H07V-R 1X50 mm ² HONG KONG BROWN	Brown
☎ 10520444	TR	H07V-R 1X50 mm ² HONG KONG GREY	Grey
☎ 10535289	TR	H07V-R 1X50 mm ² HONG KONG BLACK	Black
☎ 10535287	TR	H07V-R 1X50 mm ² HONG KONG BLUE	Blue
☎ 10535286	TR	H07V-R 1X50 mm ² HONG KONG BROWN	Brown
☎ 10535288	TR	H07V-R 1X50 mm ² HONG KONG GREY	Grey
☎ 10520441	TR	H07V-R 1G50 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10532837	TR	H07V-R 1X70 mm ² HONG KONG BLACK	Black
☎ 10532839	TR	H07V-R 1X70 mm ² HONG KONG BLUE	Blue
☎ 10532836	TR	H07V-R 1X70 mm ² HONG KONG BROWN	Brown
☎ 10532838	TR	H07V-R 1X70 mm ² HONG KONG GREY	Grey
☎ 10520446	TR	H07V-R 1G70 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10532850	TR	H07V-R 1G70 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10532852	TR	H07V-R 1X95 mm ² HONG KONG BLACK	Black
☎ 10532854	TR	H07V-R 1X95 mm ² HONG KONG BLUE	Blue
☎ 10532851	TR	H07V-R 1X95 mm ² HONG KONG BROWN	Brown
☎ 10532853	TR	H07V-R 1X95 mm ² HONG KONG GREY	Grey
☎ 10520447	TR	H07V-R 1G95 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10533545	TR	H07V-R 1X120 mm ² HONG KONG BLACK	Black
☎ 10533543	TR	H07V-R 1X120 mm ² HONG KONG BLUE	Blue

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☎ 10533542	TR	H07V-R 1X120 mm ² HONG KONG BROWN	Brown
☎ 10533544	TR	H07V-R 1X120 mm ² HONG KONG GREY	Grey
☎ 10520448	TR	H07V-R 1G120 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10520449	TR	H07V-R 1G150 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10529586	TR	H07V-R 1X2.5mm ² RED 100M	Red
☎ 10529580	TR	H07V-R 1X2.5mm ² BLUE 100M	Blue
☎ 10529587	TR	H07V-R 1X2.5mm ² BLACK 100M	Black
☎ 10529581	TR	H07V-R 1X2.5mm ² BROWN 100M	Brown
☎ 10529588	TR	H07V-R 1G2.5mm ² GREEN/YELLOW 100M	Green / yellow
☎ 10529582	TR	H07V-R 1X4mm ² RED 100M	Red
☎ 10529589	TR	H07V-R 1X4mm ² BLUE 100M	Blue
☎ 10529583	TR	H07V-R 1X4mm ² BLACK 100M	Black
☎ 10529585	TR	H07V-R 1X4mm ² BROWN 100M	Brown
☎ 10529584	TR	H07V-R 1G4mm ² GREEN/YELLOW 100M	Green / yellow
☎ 10535285	TR	H07V-R 1G10mm ² HONG KONG GREEN/YELLOW 500M	Green / yellow
☎ 10533478	TR	H07V-R 1G25mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10535478	TR	H07V-R 1G240mm ² GREEN/YELLOW	Green / yellow
☎ 10556825	TR	H07V-R 1G185 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10556826	TR	H07V-R 1G240 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10558959	TR	H07V-R 1G16 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10558962	TR	H07V-R 1G300 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10558963	TR	H07V-R 1G400 mm ² HONG KONG GREEN/YELLOW	Green / yellow
☎ 10558964	TR	H07V-R 1G500 mm ² HONG KONG GREEN/YELLOW	Green / yellow

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