H07V-K



Application

These insulated wires are suitable for laying in tubes, under and surface mounting of plasters and also in closed installation conduits. These are not allowed to install for direct laying on cable trays, channels or tanks. These types are permitted for the inner wiring of equipment, distributor and switchboards and also for protective laying to the lightings with a nominal voltage up to 1000 V alternating current or up to 750 V direct current against earth.

The materials used are free from silicon and cadmium and free from varnish damaging sustances.

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Standards

acc. to DIN VDE 0281 part 3, HD 21.3 S3 and IEC 60227-3, DIN EN 50575 VDE 0482-575:2017-02

The cable complies with:
REACH Regulation EC 1907/2006
RoHS Directive 2011/65/EU, (EU) 2015/863

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

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Construction

Inner Conductor	bare copper conductor fine-stranded acc. DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
Core Insulation	Polyvinyl chloride (PVC)

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Technical Data

Nominal Voltage	U_0/U: 450 /750 V
Nominal Volatage DC	U_0/U: 0 /0
Test Voltage	2500 V
Bending Radius fixed (xD)	4
Operating Temperature solid	-30 °C bis 70 °C
Operating Temperature moving	5 °C bis 70 °C
Short Circuit Temperature	160 °C
Fire Classes	Eca

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Aderleitungen
Insulated Wires

Prod. Nr. Prod. Nr.	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.	Power Load Air (A) Power Load Air (A)
00105001	1 x 1,5	black - black	19,5	3,1	16
00105002	1 x 1,5	blue (similar RAL 5015) - blue (similar RAL 5015)	19,5	3,1	16
00105004	1 x 1,5	light blue (similar RAL 5012) - light blue (similar RAL 5012)	19,5	3,1	16
00105003	1 x 1,5	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	19,5	3,1	16
00105007	1 x 1,5	brown - brown	19,5	3,1	16
00105006	1 x 1,5	green/yellow - green/yellow	19,5	3,1	16
00105008	1 x 1,5	grey - grey	19,5	3,1	16
00105106	1 x 1,5	light grey - light grey	19,5	3,1	16
00105009	1 x 1,5	violet - violet	19,5	3,1	16
00105014	1 x 1,5	white - white	19,5	3,1	16
00105010	1 x 1,5	orange - orange	19,5	3,1	16
00105012	1 x 1,5	green - green	19,5	3,1	16
00105011	1 x 1,5	yellow - yellow	19,5	3,1	16
00105013	1 x 1,5	red - red	19,5	3,1	16
00105126	1 x 1,5	pink - pink	19,5	3,1	16
00105173	1 x 1,5	tranparent - tranparent	19,5	3,1	16
00105143	1 x 1,5	ultramarine blue - ultramarine blue	19,5	3,1	16
00105111	1 x 1,5	blue/white - blue/white	19,5	3,1	16
00105135	1 x 1,5	dark blue/white - dark blue/white	19,5	3,1	16
00105114	1 x 1,5	red/white - red/white	19,5	3,1	16
00105125	1 x 1,5	brown/white - brown/white	19,5	3,1	16
00105127	1 x 1,5	red/blue - red/blue	19,5	3,1	16
00105169	1 x 1,5	black/blue - black/blue	19,5	3,1	16
00105167	1 x 1,5	black/yellow - black/yellow	19,5	3,1	16

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Prod. Nr.	Dimensions	Color	Weight (kg/km) approx.	Outer-Diameter (mm) approx.	Power Load Air (A)
00105168	1 x 1,5	black/green - black/green	19,5	3,1	16
00105172	1 x 1,5	black/red - black/red	19,5	3,1	16
00105156	1 x 1,5	black/violet - black/violet	19,5	3,1	16
00105175	1 x 1,5	orange/white - orange/white	19,5	3,1	16
00105404	1 x 1,5	violet/white - violet/white	19,5	3,1	16
00105015	1 x 2,5	black - black	30,0	3,8	20
00105016	1 x 2,5	blue (similar RAL 5015) - blue (similar RAL 5015)	30,0	3,8	20
00105018	1 x 2,5	light blue (similar RAL 5012) - light blue (similar RAL 5012)	30,0	3,8	20
00105017	1 x 2,5	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	30,0	3,8	20
00105021	1 x 2,5	brown - brown	30,0	3,8	20
00105020	1 x 2,5	green/yellow - green/yellow	30,0	3,8	20
00105022	1 x 2,5	grey - grey	30,0	3,8	20
00105107	1 x 2,5	light grey - light grey	30,0	3,8	20
00105023	1 x 2,5	violet - violet	30,0	3,8	20
00105028	1 x 2,5	white - white	30,0	3,8	20
00105024	1 x 2,5	orange - orange	30,0	3,8	20
00105026	1 x 2,5	green - green	30,0	3,8	20
00105025	1 x 2,5	yellow - yellow	30,0	3,8	20
00105027	1 x 2,5	red - red	30,0	3,8	20
00105155	1 x 2,5	pink - pink	30,0	3,8	20
00105144	1 x 2,5	ultramarine blue - ultramarine blue	30,0	3,8	20
00105400	1 x 2,5	tranparent - tranparent	30,0	3,8	20
00105112	1 x 2,5	blue/white - blue/white	30,0	3,8	20
00105136	1 x 2,5	dark blue/white - dark blue/white	30,0	3,8	20

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00105393	1 x 2,5	blue/black - blue/black	30,0	3,8	20
00105116	1 x 2,5	red/white - red/white	30,0	3,8	20
00105128	1 x 2,5	red/blue - red/blue	30,0	3,8	20
00105130	1 x 2,5	brown/white - brown/white	30,0	3,8	20
00105170	1 x 2,5	black/yellow - black/yellow	30,0	3,8	20
00105394	1 x 2,5	yellow/black - yellow/black	30,0	3,8	20
00105171	1 x 2,5	black/green - black/green	30,0	3,8	20
00105392	1 x 2,5	red/black - red/black	30,0	3,8	20
00105157	1 x 2,5	black/violet - black/violet	30,0	3,8	20
00105137	1 x 2,5	black/white - black/white	30,0	3,8	20
00105379	1 x 2,5	violet/white - violet/white	30,0	3,8	20
00105029	1 x 4	black - black	45,0	4,4	25
00105030	1 x 4	blue (similar RAL 5015) - blue (similar RAL 5015)	45,0	4,4	25
00105032	1 x 4	light blue (similar RAL 5012) - light blue (similar RAL 5012)	45,0	4,4	25
00105031	1 x 4	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	45,0	4,4	25
00105035	1 x 4	brown - brown	45,0	4,4	25
00105034	1 x 4	green/yellow - green/yellow	45,0	4,4	25
00105036	1 x 4	grey - grey	45,0	4,4	25
00105037	1 x 4	violet - violet	45,0	4,4	25
00105042	1 x 4	white - white	45,0	4,4	25
00105038	1 x 4	orange - orange	45,0	4,4	25
00105040	1 x 4	green - green	45,0	4,4	25
00105039	1 x 4	yellow - yellow	45,0	4,4	25
00105041	1 x 4	red - red	45,0	4,4	25

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00105115	1 x 4	pink - pink	45,0	4,4	25
00105118	1 x 4	blue/white - blue/white	45,0	4,4	25
00105161	1 x 4	dark blue/white - dark blue/white	45,0	4,4	25
00105123	1 x 4	red/white - red/white	45,0	4,4	25
00105374	1 x 4	brown/white - brown/white	45,0	4,4	25
00105145	1 x 4	ultramarine blue - ultramarine blue	45,0	4,4	25
00105043	1 x 6	black - black	64,0	5,0	36
00105044	1 x 6	blue (similar RAL 5015) - blue (similar RAL 5015)	64,0	5,0	36
00105046	1 x 6	light blue (similar RAL 5012) - light blue (similar RAL 5012)	64,0	5,0	36
00105045	1 x 6	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	64,0	5,0	36
00105049	1 x 6	brown - brown	64,0	5,0	36
00105048	1 x 6	green/yellow - green/yellow	64,0	5,0	36
00105050	1 x 6	grey - grey	64,0	5,0	36
00105052	1 x 6	yellow - yellow	64,0	5,0	36
00105124	1 x 6	orange - orange	64,0	5,0	36
00105051	1 x 6	violet - violet	64,0	5,0	36
00105055	1 x 6	white - white	64,0	5,0	36
00105053	1 x 6	green - green	64,0	5,0	36
00105054	1 x 6	red - red	64,0	5,0	36
00105119	1 x 6	blue/white - blue/white	64,0	5,0	36
00105159	1 x 6	dark blue/white - dark blue/white	64,0	5,0	36
00105132	1 x 6	red/white - red/white	64,0	5,0	36
00105403	1 x 6	tranparent - tranparent	64,0	5,0	36
00105146	1 x 6	ultramarine blue - ultramarine blue	64,0	5,0	36

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00105056	1 x 10	black - black	110,0	6,4	50
00105057	1 x 10	blue (similar RAL 5015) - blue (similar RAL 5015)	110,0	6,4	50
00105163	1 x 10	light blue (similar RAL 5012) - light blue (similar RAL 5012)	110,0	6,4	50
00105058	1 x 10	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	110,0	6,4	50
00105060	1 x 10	brown - brown	110,0	6,4	50
00105059	1 x 10	green/yellow - green/yellow	110,0	6,4	50
00105061	1 x 10	grey - grey	110,0	6,4	50
00105062	1 x 10	violet - violet	110,0	6,4	50
00105066	1 x 10	white - white	110,0	6,4	50
00105064	1 x 10	green - green	110,0	6,4	50
00105063	1 x 10	yellow - yellow	110,0	6,4	50
00105065	1 x 10	red - red	110,0	6,4	50
00105133	1 x 10	orange - orange	110,0	6,4	50
00105122	1 x 10	blue/white - blue/white	110,0	6,4	50
00105162	1 x 10	dark blue/white - dark blue/white	110,0	6,4	50
00105384	1 x 10	red/white - red/white	110,0	6,4	50
00105409	1 x 10	pink - pink	110,0	6,4	50
00105067	1 x 16	black - black	160,0	7,2	68
00105068	1 x 16	blue (similar RAL 5015) - blue (similar RAL 5015)	160,0	7,2	68
00105070	1 x 16	light blue (similar RAL 5012) - light blue (similar RAL 5012)	160,0	7,2	68
00105069	1 x 16	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	160,0	7,2	68
00105072	1 x 16	brown - brown	160,0	7,2	68
00105071	1 x 16	green/yellow - green/yellow	160,0	7,2	68
00105073	1 x 16	grey - grey	160,0	7,2	68

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00105074	1 x 16	violet - violet	160,0	7,2	68
00105075	1 x 16	red - red	160,0	7,2	68
00105134	1 x 16	orange - orange	160,0	7,2	68
00105148	1 x 16	yellow - yellow	160,0	7,2	68
00105153	1 x 16	white - white	160,0	7,2	68
00105164	1 x 16	green - green	160,0	7,2	68
00105076	1 x 25	black - black	250,0	9,2	89
00105077	1 x 25	blue (similar RAL 5015) - blue (similar RAL 5015)	250,0	9,2	89
00105078	1 x 25	light blue (similar RAL 5012) - light blue (similar RAL 5012)	250,0	9,2	89
00105113	1 x 25	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	250,0	9,2	89
00105080	1 x 25	brown - brown	250,0	9,2	89
00105079	1 x 25	green/yellow - green/yellow	250,0	9,2	89
00105081	1 x 25	red - red	250,0	9,2	89
00105149	1 x 25	grey - grey	250,0	9,2	89
00105154	1 x 25	orange - orange	250,0	9,2	89
00105160	1 x 25	white - white	250,0	9,2	89
00105165	1 x 25	yellow - yellow	250,0	9,2	89
00105166	1 x 25	green - green	250,0	9,2	89
00105082	1 x 35	black - black	340,0	10,0	110
00105083	1 x 35	blue (similar RAL 5015) - blue (similar RAL 5015)	340,0	10,0	110
00105084	1 x 35	light blue (similar RAL 5012) - light blue (similar RAL 5012)	340,0	10,0	110
00105120	1 x 35	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	340,0	10,0	110
00105086	1 x 35	brown - brown	340,0	10,0	110
00105085	1 x 35	green/yellow - green/yellow	340,0	10,0	110

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00105087	1 x 35	red - red	340,0	10,0	110
00105121	1 x 35	orange - orange	340,0	10,0	110
00105150	1 x 35	grey - grey	340,0	10,0	110
00105174	1 x 35	yellow - yellow	340,0	10,0	110
00105402	1 x 35	white - white	340,0	10,0	110
00105088	1 x 50	black - black	480,0	12,0	14
00105089	1 x 50	blue (similar RAL 5015) - blue (similar RAL 5015)	480,0	12,0	14
00105091	1 x 50	light blue (similar RAL 5012) - light blue (similar RAL 5012)	480,0	12,0	14
00105177	1 x 50	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	480,0	12,0	14
00105090	1 x 50	green/yellow - green/yellow	480,0	12,0	14
00105378	1 x 50	brown - brown	480,0	12,0	14
00105103	1 x 50	red - red	480,0	12,0	14
00105151	1 x 50	grey - grey	480,0	12,0	14
00105395	1 x 50	yellow - yellow	480,0	12,0	14
00105092	1 x 70	black - black	655,0	13,5	171
00105117	1 x 70	blue (similar RAL 5015) - blue (similar RAL 5015)	655,0	13,5	171
00105093	1 x 70	green/yellow - green/yellow	655,0	13,5	171
00105147	1 x 70	red - red	655,0	13,5	171
00105094	1 x 95	black - black	870,0	15,0	207
00105095	1 x 95	green/yellow - green/yellow	870,0	15,0	207
00105158	1 x 95	blue (similar RAL 5015) - blue (similar RAL 5015)	870,0	15,0	207
00105373	1 x 95	red - red	870,0	15,0	207
00105096	1 x 120	black - black	1.100,0	17,0	239
00105097	1 x 120	green/yellow - green/yellow	1.100,0	17,0	239

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00105396	1 x 120	red - red	1.100,0	17,0	239
00105383	1 x 120	blue (similar RAL 5015) - blue (similar RAL 5015)	1.100,0	17,0	239
00105098	1 x 150	black - black	1.370,0	20,7	275
00105104	1 x 150	blue (similar RAL 5015) - blue (similar RAL 5015)	1.370,0	20,7	275
00105099	1 x 150	green/yellow - green/yellow	1.370,0	20,7	275
00105100	1 x 185	black - black	1.680,0	21,5	314
00105139	1 x 185	green/yellow - green/yellow	1.680,0	21,5	314
00105101	1 x 240	black - black	2.220,0	24,5	369
00105131	1 x 240	green/yellow - green/yellow	2.220,0	24,5	369
00105140	1 x 300	black - black	2.850,0	27,0	0
00105141	1 x 300	green/yellow - green/yellow	2.850,0	27,0	0

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