H05V-K



Application

These insulated wires are determined for the installation to the inside of apparatus as well as for the protective laying to the lightings, in production facilities, switch and distributor boards, in tubes, under and surface mounting of plasters, but only for signal- and control circuit.

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

Standards

acc. to DIN VDE 0281 part 3, HD 21.3 S3 and IEC 60227-3, self-extinguishing and flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1,
DIN EN 50575 VDE 0482-575:2017-02

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

Construction

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

Technical Data

Nominal Voltage	U_0/U: 300 /500 V
Nominal Volatage DC	U_0/U: 0 /0
Test Voltage	2000 V
Bending Radius fixed (xD)	4
Operating Temperature solid	-10 °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)
00104001	1 x 0,50	black - black	10,0	2,2	3
00104002	1 x 0,50	blue (similar RAL 5015) - blue (similar RAL 5015)	10,0	2,2	3
00104003	1 x 0,50	light blue (similar RAL 5012) - light blue (similar RAL 5012)	10,0	2,2	3
00104004	1 x 0,50	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	10,0	2,2	3
00104007	1 x 0,50	brown - brown	10,0	2,2	3
00104006	1 x 0,50	green/yellow - green/yellow	10,0	2,2	3
00104008	1 x 0,50	grey - grey	10,0	2,2	3
00104044	1 x 0,50	light grey - light grey	10,0	2,2	3
00104009	1 x 0,50	violet - violet	10,0	2,2	3
00104014	1 x 0,50	white - white	10,0	2,2	3
00104010	1 x 0,50	orange - orange	10,0	2,2	3
00104012	1 x 0,50	green - green	10,0	2,2	3
00104011	1 x 0,50	yellow - yellow	10,0	2,2	3
00104013	1 x 0,50	red - red	10,0	2,2	3
00104047	1 x 0,50	tranparent - tranparent	10,0	2,2	3
00104054	1 x 0,50	pink - pink	10,0	2,2	3
00104049	1 x 0,50	blue/white - blue/white	10,0	2,2	3
00104063	1 x 0,50	dark blue/white - dark blue/white	10,0	2,2	3
00104073	1 x 0,50	brown/white - brown/white	10,0	2,2	3
00104059	1 x 0,50	red/blue - red/blue	10,0	2,2	3
00104057	1 x 0,50	red/white - red/white	10,0	2,2	3
00104233	1 x 0,50	white/black - white/black	10,0	2,2	3
00104240	1 x 0,50	blue/red - blue/red	10,0	2,2	3
00104268	1 x 0,50	orange/white - orange/white	10,0	2,2	3

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00104015	1 x 0,75	black - black	12,0	2,4	6
00104016	1 x 0,75	blue (similar RAL 5015) - blue (similar RAL 5015)	12,0	2,4	6
00104018	1 x 0,75	light blue (similar RAL 5012) - light blue (similar RAL 5012)	12,0	2,4	6
00104017	1 x 0,75	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	12,0	2,4	6
00104021	1 x 0,75	brown - brown	12,0	2,4	6
00104020	1 x 0,75	green/yellow - green/yellow	12,0	2,4	6
00104022	1 x 0,75	grey - grey	12,0	2,4	6
00104045	1 x 0,75	light grey - light grey	12,0	2,4	6
00104023	1 x 0,75	violet - violet	12,0	2,4	6
00104028	1 x 0,75	white - white	12,0	2,4	6
00104024	1 x 0,75	orange - orange	12,0	2,4	6
00104026	1 x 0,75	green - green	12,0	2,4	6
00104025	1 x 0,75	yellow - yellow	12,0	2,4	6
00104027	1 x 0,75	red - red	12,0	2,4	6
00104058	1 x 0,75	pink - pink	12,0	2,4	6
00104029	1 x 0,75	tranparent - tranparent	12,0	2,4	6
00104050	1 x 0,75	blue/white - blue/white	12,0	2,4	6
00104064	1 x 0,75	dark blue/white - dark blue/white	12,0	2,4	6
00104019	1 x 0,75	black/blue - black/blue	12,0	2,4	6
00104055	1 x 0,75	red/white - red/white	12,0	2,4	6
00104152	1 x 0,75	brown/white - brown/white	12,0	2,4	6
00104244	1 x 0,75	violet/white - violet/white	12,0	2,4	6
00104030	1 x 1	black - black	14,2	2,6	10
00104031	1 x 1	blue (similar RAL 5015) - blue (similar RAL 5015)	14,2	2,6	10

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00104033	1 x 1	light blue (similar RAL 5012) - light blue (similar RAL 5012)	14,2	2,6	10
00104032	1 x 1	dark blue (similar RAL 5010) - dark blue (similar RAL 5010)	14,2	2,6	10
00104036	1 x 1	brown - brown	14,2	2,6	10
00104035	1 x 1	green/yellow - green/yellow	14,2	2,6	10
00104037	1 x 1	grey - grey	14,2	2,6	10
00104046	1 x 1	light grey - light grey	14,2	2,6	10
00104038	1 x 1	violet - violet	14,2	2,6	10
00104043	1 x 1	white - white	14,2	2,6	10
00104039	1 x 1	orange - orange	14,2	2,6	10
00104041	1 x 1	green - green	14,2	2,6	10
00104040	1 x 1	yellow - yellow	14,2	2,6	10
00104042	1 x 1	red - red	14,2	2,6	10
00104056	1 x 1	tranparent - tranparent	14,2	2,6	10
00104053	1 x 1	pink - pink	14,2	2,6	10
00104071	1 x 1	orange/white - orange/white	14,2	2,6	10
00104267	1 x 1	white/pink - white/pink	14,2	2,6	10
00104072	1 x 1	violet/white - violet/white	14,2	2,6	10
00104048	1 x 1	blue/white - blue/white	14,2	2,6	10
00104065	1 x 1	dark blue/white - dark blue/white	14,2	2,6	10
00104034	1 x 1	black/blue - black/blue	14,2	2,6	10
00104067	1 x 1	black/white - black/white	14,2	2,6	10
00104068	1 x 1	black/yellow - black/yellow	14,2	2,6	10
00104069	1 x 1	black/orange - black/orange	14,2	2,6	10
00104070	1 x 1	black/violet - black/violet	14,2	2,6	10

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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)
00104051	1 x 1	red/white - red/white	14,2	2,6	10
00104052	1 x 1	brown/white - brown/white	14,2	2,6	10
00104060	1 x 1	red/blue - red/blue	14,2	2,6	10
00104270	1 x 1	yello/white - yello/white	14,2	2,6	10

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