



H07V-K <VDE>

<VDE> cable type certification

i Info

- VDE approved



Benefits

- Cables' <VDE> marking is a testing mark / proof of the successful testing according to VDE/ EN/ HD/ IEC standards as well as possible health and safety regulations. <VDE> is issued by the VDE testing and certification institute.

Application range

- Laying in tubes, exposed or buried in plaster, and in closed installation ducts
- For direct laying on racks, troughs and tubes only as potential equalisation conductor

Product features

- Flame-retardant according IEC 60332-1-2

Norm references / Approvals

- <VDE> cable type certification acc. EN 50525-2-31

Product Make-up

- Fine-wired copper conductor of bare copper strands in line with conductor class 5 acc. IEC 60228
- Core insulation: Based on PVC

Technical data

- Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC000993
ETIM 5.0/6.0 Class-Description: Single core cable
- Conductor stranding**
Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
- Minimum bending radius**
6 x cable diameter
- Nominal voltage**
U₀/U: 450/750 V
- Test voltage**
2500 V
- Temperature range**
Fixed installation: -30°C to +70°C

Conductor Cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	green/yellow	black	blue	brown	red
1.5	3.2	14.4	22	8120001	8120011	8120021	8120031	8120041
2.5	3.6	24.0	32	8120002	8120012	8120022	8120032	8120042
4	4.6	38.4	52	8120003	8120013	8120023	8120033	8120043
6	5.3	57.6	76	8120004	8120014	8120024	8120034	8120044
10	6.3	96.0	119	8120005	8120015	8120025	8120035	8120045
16	7.4	153.6	175	8120006	8120016	8120026	8120036	8120046
25	9.2	240.0	270	8121001	8121011	8121021	8121031	8121041
35	10.5	336.0	373	8121002	8121012	8121022	8121032	8121042
50	12.5	480.0	519	8121003	8121013	8121023	8121033	8121043
70	14.4	672.0	726	8121004	8121014	8121024	8121034	8121044
95	16.6	912.0	960	8121005	8121015	8121025	8121035	8121045
120	18.3	1152.0	1198	8121006	8121016	8121026	8121036	8121046
150	20.6	1440.0	1491	8121007	8121017	8121027	8121037	8121047
185	22.8	1776.0	1829	8121008	8121018	8121028	8121038	8121048
240	26.0	2304.0	2383	8121009	8121019	8121029	8121039	8121049

Conductor Cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	white	grey	orange	yellow	green
1.5	3.2	14.4	22	8120051	8120061	8120091	8120111	8120121
2.5	3.6	24.0	32	8120052	8120062	8120092	8120112	8120122
4	4.6	38.4	52	8120053	8120063	8120093	8120113	8120123
6	5.3	57.6	76	8120054	8120064	8120094	8120114	8120124
10	6.3	96.0	119	8120055	8120065	8120095	8120115	8120125
16	7.4	153.6	175	8120056	8120066	8120096	8120116	8120126
25	9.2	240.0	270	8121051	8121061	8121091	8121111	8121121
35	10.5	336.0	373	8121052	8121062	8121092	8121112	8121122
50	12.5	480.0	519	8121053	8121063	8121093	8121113	8121123
70	14.4	672.0	726	8121054	8121064	8121094	8121114	8121124
95	16.6	912.0	960	8121055	8121065	8121095	8121115	8121125
120	18.3	1152.0	1198	8121056	8121066	8121096	8121116	8121126
150	20.6	1440.0	1491	8121057	8121067	8121097	8121117	8121127
185	22.8	1776.0	1829	8121058	8121068	8121098	8121118	8121128
240	26.0	2304.0	2383	8121059	8121069	8121099	8121119	8121129

- If not otherwise specified, all values relating to the product are nominal values. Other value information, such as tolerances, for example, can be obtained on request where available and released for publishing.
- Photographs are not to scale and do not represent detailed images of the respective products.

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