

RVV-EN 300/500V 25 × 0.75mm² SHANGHAI HANKE DIANXIAN YOUXIAN GONGSI

RVV-EN(c)Y 300/500V 7 × 0.75mm² SHANGHAI HANKE DIANXIAN YOUXIAN GONGSI

应用范围

适用于有爆炸危险领域自安全电路中数据监控和仪器仪表的连接电缆。

电线结构

多股细裸束绞铜丝或镀锡铜丝导体,PVC/D型绝缘, RVV-EN(c)Y型加铜丝编织屏蔽,特殊PVC兰色护套。

技术参数

- ① 温度范围: 固定-30℃ ~ +80℃, 移动-5℃ ~ +70℃
- ② 额定电压: (AC)300/500V,(DC)750V
- ③ 测试电压: 3000V
- ④ 工作电容: 非屏蔽800Hz时110pF/m
屏蔽800Hz时130pF/m(芯/芯),185pF(芯/地)
- ⑤ 工作电感: 约0.65mH/km
- ⑥ 符合标准: VDE 0250/0812, 阻燃(IEC 60332.1)
- ⑦ 导体标准: VDE 0295/IEC 60228 5类
- ⑧ 弯曲半径: 大于4 × 电线外径(固定)
大于15 × 电线外径(一般移动)

APPLICATIONS

For wiring of digital monitor and instruments/gauges in inherently safe circuit in explosive atmosphere

WIRE MAKE-UP

fine bare copper/tinned copper stranded conductor, PVC/D insulation; RVV-EN(c)Y is provided with additional copper-braided shield and special blue PVC sheath

TECHNICAL DATA

- ① Operating Temp.: -30℃ ~ +80℃ for fixed wiring
-5℃ ~ +70℃ for movable wiring
- ② Rated Voltage: (AC)300/500V,(DC)750V;
- ③ Test Voltage: 3000V
- ④ Operating capacitance: 110pF/m at 800Hz for unshielded type
185pF(conductor/earth) and 130pF/m (conductor/conductor) at 800Hz for for shielded type
- ⑤ Operating inductance: approx. 0.65mH/km
- ⑥ Governing Standards: VDE 0250/0812I, flame retardance(IEC 60332.1)
- ⑦ Conductor Standards: Category 5 in VDE 0295/IEC 60228
- ⑧ Bending Radius: more than 4 × wire O.D. (fixed wiring)
more than 15 × wire O.D. (normal movable wiring)

导体截面 Cross Section 芯数 × mm ² Core. No. × mm ²	导体结构 Conductor Structure 芯数 × 根数/单根直径 Core. No. × Cond. No./O.D	标称外径 Nominal O.D. mm	最大外径 Max O.D. mm	重量(近似) Approx. Weight Kg/Km	导体20℃时 最大电阻 Max. Cond. R @ 20℃ ≤ (Ω/Km)	环境温度 30℃架空时 参考载流量(A) Ampacity @ 30℃ Ambient (aerial cable)
RVV-EN型 (非屏蔽型)						
2 × 0.75	2 × 24/0.20	6.40	7.2	51.2	26.0	11
3 × 0.75	3 × 24/0.20	6.77	7.6	65.9	26.0	8
5 × 0.75	5 × 24/0.20	8.28	9.3	101	26.0	
7 × 0.75	7 × 24/0.20	9.20	11.3	134	26.0	
12 × 0.75	12 × 24/0.20	12.17	13.7	221	26.0	
18 × 0.75	18 × 24/0.20	14.60	16.4	325	26.0	
25 × 0.75	25 × 24/0.20	17.77	19.9	450	26.0	
2 × 1	2 × 32/0.20	6.68	7.5	58.4	19.5	13
3 × 1	3 × 32/0.20	7.07	8.0	76.2	19.5	10
5 × 1	5 × 32/0.20	8.66	9.8	116	19.5	
7 × 1	7 × 32/0.20	9.62	11.8	155	19.5	
12 × 1	12 × 32/0.20	12.95	14.6	265	19.5	
18 × 1	18 × 32/0.20	15.30	17.2	379	19.5	
25 × 1	25 × 32/0.20	18.63	21.0	560	19.5	

RVV-EN型 兰色聚氯乙烯护套自安全型非屏蔽电缆
 RVV-EN(C)Y型 兰色聚氯乙烯护套自安全型屏蔽电缆
 RVV-EN Blue PVC-sheathed inherently safe unshielded cable
 RVV-EN(C)Y Blue PVC-sheathed inherently safe shielded cable



软电线电缆系列

FLEXIBLE WIRES & CABLES

(续)

导体截面 Cross Section 芯数 × mm ² Core. No. × mm ²	导体结构 Conductor Structure 芯数 × 根数/单根直径 Core. No. × Cond. No./O.D	标称外径 Nominal O.D. mm	最大外径 Max O.D. mm	重量(近似) Approx. Weight Kg/Km	导体20℃时 最大电阻 Max. Cond. R @ 20℃ ≤ (Ω/Km)	环境温度 30℃架空时 参考载流量(A) Ampacity @ 30℃ Ambient (aerial cable)
RVV-EN型 (非屏蔽型)						
2 × 1.5	2 × 30/0.25	7.60	8.6	76.2	13.3	17
3 × 1.5	3 × 30/0.25	8.26	9.4	106	13.3	11
5 × 1.5	5 × 30/0.25	10.10	11.4	162	13.3	
7 × 1.5	7 × 30/0.25	11.40	14.1	223	13.3	
12 × 1.5	12 × 30/0.25	15.06	17.0	369	13.3	
18 × 1.5	18 × 30/0.25	18.00	20.3	539	13.3	
25 × 1.5	25 × 30/0.25	22.06	24.9	770	13.3	
RVV-EN(C)Y型 (屏蔽型)						
2 × 0.75	2 × 24/0.20	8.80	10.0	120	26.0	11
3 × 0.75	3 × 24/0.20	9.20	10.4	135	26.0	8
5 × 0.75	5 × 24/0.20	10.70	12.1	183	26.0	
7 × 0.75	7 × 24/0.20	11.80	14.3	224	26.0	
12 × 0.75	12 × 24/0.20	15.20	17.2	373	26.0	
18 × 0.75	18 × 24/0.20	17.70	19.9	501	26.0	
25 × 0.75	25 × 24/0.20	21.00	23.7	650	26.0	
2 × 1	2 × 32/0.20	9.10	10.3	131	19.5	13
3 × 1	3 × 32/0.20	9.70	11.0	149	19.5	10
5 × 1	5 × 32/0.20	11.30	12.8	209	19.5	
7 × 1	7 × 32/0.20	12.40	15.1	252	19.5	
12 × 1	12 × 32/0.20	16.00	18.1	426	19.5	
18 × 1	18 × 32/0.20	18.40	20.8	564	19.5	
25 × 1	25 × 32/0.20	21.90	24.7	750	19.5	
2 × 1.5	2 × 30/0.25	10.20	11.6	167	13.3	17
3 × 1.5	3 × 30/0.25	10.70	12.1	191	13.3	11
5 × 1.5	5 × 30/0.25	12.90	14.7	278	13.3	
7 × 1.5	7 × 30/0.25	14.30	17.4	351	13.3	
12 × 1.5	12 × 30/0.25	18.10	20.5	558	13.3	
18 × 1.5	18 × 30/0.25	21.30	24.1	770	13.3	
25 × 1.5	25 × 30/0.25	25.30	28.6	950	13.3	

▲ 载流量是周围温度设定在30℃时的计算值。电线芯数、周围温度、布线状况等条件改变时应乘以系数。(见附录)

▲ Current-carrying capacity is the calculated value based on a ambient temperature of 30℃ and is to be multiplied by a factor when application conditions including number of cores, ambient temperature and wiring condition are changed. (see Appendix)