

UE系列 STO(N)/TC LF

适用于线槽配线，电源电缆

耐热性 ★★★★★
耐油性 ★★★★★
阻燃性 ★★★★★
柔软性 ★★★★★
抗干扰 ★★
移动性 ★

※特性只作为估计参考值。

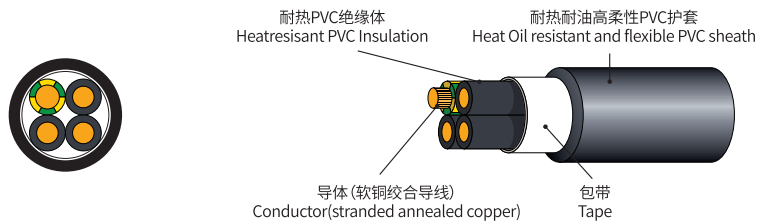
> 特性

- UUL、CUL共用机器人电缆
- ULVW-1, cULFT1阻燃对应
- UL垂直支架燃烧试验合格
- 耐热耐油柔软性聚氯乙烯护套
- 符合欧盟RoHS指令要求
- TUV认证制品

Features

- RRobot cable with UL and cUL
- Flame rating: UL VW-1, cUL FT1
- Pass Vertical-Tray Flame test of UL
- Oil,heat resistant,flexible PVC sheath
- RoHS compliant
- TUV recognition product

> 构造图 Construction figure



> 表面印字 Surface Marking

1.18AWG~10AWG

File No.(UL) TC 90°C DRY 75°C WET or MTW FLEXING VW-1 or STO 105°C 600V VW-1 线芯数X□□AWG c(UL) STO 105°C 600V 线芯数X□□AWG (□□mm²) FT1 TAIYO CE 05VV-F 300/500V <PS>E TY LF R15

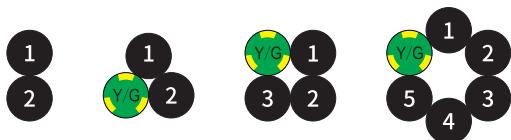
2.8AWG~2AWG

File No.(UL) TC 90°C DRY 75°C WET or MTW VW-1 or STO 105°C 600V VW-1 线芯数X□□AWG c(UL) STO 105°C 600V 线芯数X□□AWG (□□mm²) FT1 TAIYO CE 05VV-F 300/500V <PS>E TY LF R15

※Factory No.CCC工厂认证代码

※File No.UL工厂认证代码

> 识别 Identification



注: O内的数字表示印在黑色绝缘体上的白色的数字

※Y/G地线是指在绿色绝缘体上覆盖3条黄色色带,黄色所占比率约30%-50%

认证 Certification	UL/cUL STO	UL TC	UL MTW	CE	<PS>E
依据标准 Applicable standard	UL62/CSAC222.No.9	UL1277	UL1063	EN50525-2-11	电气用品安全法
型号 Official symbol	STO	TC	MTW	H05VV-F相当	VCTF/VCT
额定电压 Voltage rating	600V	600V	600V	300/500V	300V/600V
额定温度 Temperature rating	105°C	DRY 90°C/WET75°C	DRY 90°C/WET80°C	70°C	60°C
导体标准 Conductor	UL62/CSA C22.No.9	UL1277	UL1063	EN60228 Class5	JISC3102/3152
阻燃性 Flame rating	VW-1,FT1	Vertical-Tray Flame Test	VW-1	EN50264	JIS3005

>>> 对象规格



> 构造表 Construction table

导体芯数	导体Conductor						电缆外径 Overall diameter (mm)	电气特性 Electrical Characteristics			概算重量 Approx.weight (kg/km)
	尺寸 Size (AWG)	单根线径 OD of wire (mm)		耐热PVC绝缘体 Heatresistant PVC Insulation		导体直流电阻 Conductor resistance (Ω/km20°C)		绝缘电阻 Insulation resistance (MΩkm20°C)	耐压 Electrical strength (V/1min.)		
		厚度 Thickness (mm)	外径 Overall diameter (mm)								
2C						9.3				95	
3E	18	0.18	1.2	0.82	2.9	9.7	22.1	60	2000	115	
4E						10.5				135	
2C						9.9				115	
3E	16	0.18	1.5	0.82	3.2	10.5	13.7	60	2000	135	
4E						11.3				165	
2C						13.5				205	
3E	14	0.18	1.9	1.22	4.4	14.2	8.64	60	3000	245	
4E						15.3				295	
2C						15.3				275	
3E	12	0.254	2.4	1.22	4.9	16.1	5.42	50	3000	330	
4E						17.3				400	
2C						16.7				345	
3E	10	0.254	3.1	1.22	5.6	17.6	3.42	50	3000	425	
4E						19.0				525	
2C						21.6				81.8	
3E	8	0.32	4.2	1.65	7.6	22.8	2.14	50	4000	690	
4E						25.5				895	
2C						24.6				110	
3E	6	0.32	5.3	1.65	8.7	25.9	1.34	50	4000	955	
4E						29.0				1230	
2C						28.0				145	
3E	4	0.32	6.6	1.65	10	29.3	0.848	50	4000	1330	
4E						32.9				1710	
2C						32.6				189	
3E	2	0.32	8.3	1.75	11.9	34.4	0.533	40	4000	1910	
4E						38.3				2460	

除上记耐电压以外,还满足2000V5min耐压试验

> 许容电流

- 本目录中许容电流为NFPA70表400.5(A)STO环境温度30度的值。
- 周围温度补偿系数参见P.151。
- 根据美国电气工事规定(NEC),载流量如下。
a)适用于3芯及以上电缆通电芯数为3芯时,
b)适用于2芯及以上电缆通电芯数为2芯时,
c)适用于5芯及以上电缆通电芯数为5芯时。

尺寸 AWG	载流量		
	a	b	C
18	7	10	5.6
16	10	13	8
14	15	18	12
12	20	25	—
10	25	30	20
8	35	40	—
6	45	55	—
4	60	70	—
2	80	95	—

Allowable ampacity

- Allowable ampacity of this catalog is from NFPA70 Table 400.5(A)STO,and the ambient temperature 30°C.
- For the current correction factor, Please refer to P.151
- Allowable ampacity by National Electrical Code(NEC)
a:Apply to 3-conductor cords and other multiconductor cordsconnected to utilization equipment so that only 3 conductors are current-carrying.
b:Apply to 2-conductor cords and other multiconductor cords connected to utilization equipment so that only 2 conductors are current-carrying.
c:Apply to 5-conductor cords and other multiconductor cords connected to utilization equipment so that only 5 conductors are current-carrying.