

SERVO MOTOR POWER(BRAKE)
CABLE

静态伺服动力(抱闸)电缆 (600V)



应用场合 APPLICATION	伺服电机用动力线，固定安装 Power cable for servo system, fixed installation
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电缆结构 CABLE CONSTRUCTION



- 01 导体
CONDUCTOR

多股绞合裸铜丝—IEC 60228 5类 —VDE 0295 5类
Stranded bare copper wire acc. to IEC 60228 Cl.5, VDE 0295 Cl.5
- 04 芯线绝缘
CORE INSULATION

聚氯乙烯PVC
Polyvinylchloride (PVC)

芯线标识：黑色，印白色数码字1-3，黄色/绿色
Core Identification: Black, with digital number 1-3, GNYE

绞线标识(如有)：黑色—白色
Pair Identification(if necessary): Black-White

- 03 绞线屏蔽(如有)
PAIR SHIELD (IF NECESSARY)

镀锡铜丝
Shield braiding of tinned copper wires
- 04 绞合
CABLING

所有芯线绞合+填充+包带
Four wires (and pair) twisted in layers with fillers in foil
- 05 总屏蔽
SHIELD

镀锡铜丝
Shield braiding of tinned copper wires
- 06 护套
JACKET

聚氯乙烯PVC
Polyvinylchloride (PVC)

护套颜色：橙色 RAL2003
Jacket Color: Orange acc. to RAL 2003

技术参数	
额定电压	600V
测试电压	3kV 50Hz AC，芯-屏蔽
温度范围	-20℃~+80℃/+105℃（固定安装）
弯曲半径	≥ 5倍电缆外径（固定安装）

TECHNICAL DATA	
Nominal voltage	600V
Test voltage	3kV 50Hz AC，core-shield
Temperature range	-20℃~+80℃/+105℃ [fixed installation]
Bending Radius	≥ 5D [fixed installation]

性能特征 SPECIAL FEATURES

- UL

电缆符合UL758、UL1581规范要求
Cables comply with UL758、UL1581
- EMC

优异的EMC性能
Very good EMC performance
- IEC

阻燃等级满足IEC 60332-1，UL VW-1
Flame retardant and self-extinguishing acc. To IEC 60332-1，UL VW-1
- 耐油性能满足UL1581，DIN VDE 2081 Part1/HD21.1S3
Oil resistant acc. To UL1581，DIN VDE 2081 Part1/HD21.1S3
- 产品符合RoHS、Reach环保要求
Cables comply with RoHS、Reach environmental requirements

标准规格 STANDARD

静态伺服动力电缆	
规格Dimensions mm ² (AWG)	参考外径Outer diameter mm (Ref)
4 × 1.0 (18AWG)	7.90
4 × 1.5 (16AWG)	8.60
4 × 2.5 (14AWG)	10.00
4 × 4 (12AWG)	10.60
4 × 6 (10AWG)	13.00
4 × 10 (8AWG)	17.50
4 × 16 (6AWG)	22.00
4 × 25 (4AWG)	28.00
4 × 35 (2AWG)	32.00
4 × 50 (1AWG)	37.00
静态伺服动力（抱闸）电缆	
规格Dimensions mm ² (AWG)	参考外径Outer diameter mm (Ref)
4 × 1.0+2 × 0.5	8.80
4 × 1.5+2 × 0.5	10.20
4 × 1.5+2 × 0.75	10.50
4 × 2.5+2 × 0.5	11.50
4 × 2.5+2 × 0.75	11.80
4 × 2.5+2 × 1.0	12.30
4 × 4+2 × 1.0	13.50
4 × 4+2 × 1.5	14.00
4 × 6+2 × 1.0	15.50
4 × 6+2 × 1.5	16.20
4 × 10+2 × 1.5	20.40
4 × 16+2 × 1.5	24.00
4 × 25+2 × 1.5	29.00
4 × 35+2 × 1.5	31.50
4 × 50+2 × 1.5	37.00

备注：所列产品为标准结构，特殊需求可定制。

SERVO MOTOR POWER(BRAKE)
SHIELDED CABLE

高柔伺服动力(抱闸)电缆 [600V]



应用场合 APPLICATION	伺服电机用动力线，高柔，高强度，频繁移动 Power cable for servo system, flexible installation, with high mechanical stress
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电缆结构 CABLE CONSTRUCTION



- 01 导体
CONDUCTOR

精细绞合裸铜丝—IEC 60228 6类 —VDE 0295 6类
Fine stranded bare copper wire acc. to IEC 60228 Cl.6, VDE 0295 Cl.6
- 02 芯线绝缘
CORE INSULATION

聚丙烯PP/热塑性聚酯弹性体TPE
Polypropylene (PP), or Thermoplastic Elastomer(TPE)

芯线标识：黑色，印白色数码字1-3，黄色/绿色
Core Identification: Black, with digital number 1-3, GNYE

绞线标识（如有）：黑色—白色
Pair Identification(If necessary): Black-White

- 03 绞线屏蔽(如有)
PAIR SHIELD (IF NECESSARY)

镀锡铜丝
Shield braiding of tinned copper wires
- 04 绞合
CABLING

所有芯线绞合+填充+包带
Four wires(and pairs) twisted in layers with fillers in foil
- 05 总屏蔽
SHIELD

镀锡铜丝
Shield braiding of tinned copper wires
- 06 护套
JACKET

聚氯乙烯PVC/聚氨酯弹性体PUR
Polyvinylchloride (PVC) ,or Polyurethan(PUR)

护套颜色：橙色 RAL2003
Jacket Color: Orange acc. to RAL 2003

技术参数		TECHNICAL DATA	
额定电压	600V	Nominal voltage	600V
测试电压	3kV 50Hz AC，芯-屏蔽	Test voltage	3kV 50Hz AC，core-shield
温度范围	-5℃~+80℃（移动安装）	Temperature range	-5℃~+80℃ (flexible installation)
弯曲半径	≥10倍电缆外径（移动安装）	Bending Radius	≥10D (flexible installation)
弯曲寿命	1000万次	Bendings	10,000,000 cycles
扭转	如对此有特殊要求，请联系我们技术部门	Torsion	If necessary, Please contact our technical department

性能特征 SPECIAL FEATURES

- UL

电缆符合UL758、UL1581规范要求
Cables comply with UL758、UL1581
- 高柔性，可应用移动场合
High endurance for trailing applicable
- EMC

优异的EMC性能
Very good EMC performance
- 耐油性能满足UL1581，VDE 472-803 Part B
Oil resistant acc. To UL1581，VDE 472-803 Part B
- IEC

阻燃等级满足IEC 60332-1，UL VW-1
Flame retardant and self-extinguishing acc. To IEC 60332-1，UL VW-1
- 产品符合RoHS、Reach环保要求
Cables comply with RoHS、Reach environmental requirements

标准规格 STANDARD

高柔伺服动力电缆

规格Dimensions mm² [AWG]	参考外径Outer diameter mm [Ref]
4 × 1.0 (18AWG)	8.30
4 × 1.5 (16AWG)	9.20
4 × 2.5 (14AWG)	10.50
4 × 4 (12AWG)	11.30
4 × 6 (10AWG)	14.30
4 × 10 (8AWG)	18.00
4 × 16 (6AWG)	22.70
4 × 25 (4AWG)	29.00
4 × 35 (2AWG)	32.60
4 × 50 (1AWG)	38.10

高柔伺服动力（抱闸）电缆

规格Dimensions mm² [AWG]	参考外径Outer diameter mm [Ref]
4 × 1.0 +2 × 0.5	9.20
4 × 1.5 +2 × 0.5	10.60
4 × 1.5 +2 × 0.75	10.90
4 × 2.5 +2 × 0.5	12.00
4 × 2.5 +2 × 0.75	12.40
4 × 2.5 +2 × 1.0	12.70
4 × 4 +2 × 1.0	14.00
4 × 4 +2 × 1.5	14.40
4 × 6 +2 × 1.0	16.10
4 × 6 +2 × 1.5	16.80
4 × 10 +2 × 1.5	20.80
4 × 16 +2 × 1.5	24.50
4 × 25 +2 × 1.5	29.50
4 × 35 +2 × 1.5	32.30
4 × 50 +2 × 1.5	37.50

备注：所列产品为标准结构，特殊需求可定制。