

C-2(D) 125°C 环保阻燃低压母线绝缘热缩套管(1kV)

Environmental-friendly, Flame retardant, Medium Wall Anti-track Heat Shrinkable Insulating bus bar Tubing

产品特性:

- 耐电痕
- 额定工作电压: 1kV
- 径向收缩比: 2:1, 轴向收缩率≤10%
- 收缩温度: 开始收缩温度90°C, 完全收缩温度125°C
- 工作温度: -55°C~125°C
- 产品通过UL 224及CSA22.2认证
- 阻燃: 通过VW-1阻燃测试
- 良好的物理及电气性能, 耐磨损, 绝缘强度高
- 抗化学试剂及溶剂, 耐腐蚀及耐候
- 符合欧盟ROHS指令要求

Features:

- Anti-track
- Voltage rating:1kV
- Shrink ratio (Radial change): 2:1, shrink ratio in longitudinal≤10%
- Min. shrink temperature: 90°C; Full recovery temperature: 125°C
- Continuous Operating Temperature: -55°C~125°C
- Specifications / Approvals: UL 224 and CSA22.2
- Flame-retardant
- Outstanding physical and electrical performance, High abrasion resistance, high insulating strength
- Excellent chemical and solvent resistance properties
- Meet ROHS(Restriction of use of certain Hazardous Substances)requirement



FLAME
RETARDANT
阻燃



SHRINK
RATIO 2:1
收缩比 2:1



UV
RESISTANCE
抗紫外线

用途:

用于1kV金属母线排的绝缘防护, 可降低母线排之间的距离要求, 防止击穿, 反爬电, 以及用于大口径金属管材的防腐保护等。

Applications:

Provides both insulation and protection of bus bar and, Reduces bus bar clearance requirements. Anti-track, Protects against accidental flashover. Provides protection against corrosion for big size metal tube.

技术指标 Performance

项目 Items	性能 Property	指标 Requirements	典型值 Typical Performance	测试标准 Test Method
机械性能 Mechanical	拉伸强度 Tensile Strength	≥10.4MPa	13MPa	UL 224
	断裂伸长率 Ultimate elongation	≥200%	450%	UL 224
	老化后拉伸强度 (158°C/168hrs) Tensile Strength after Heat Aging (158°C/168hrs)	≥9.1MPa	11.5MPa	UL 224
	老化后断裂伸长率 (158°C/168hrs) Ultimate elongation after Heat Aging (158°C/168hrs)	≥100%	360%	UL 224
	耐电痕 Tracking Resistance		Non-Tracking	
电性能 Electrical	耐压 Dielectric withstand voltage	AC.2.5kV/60seconds	Pass	UL 224
	介电强度 Dielectric breakdown voltage	>25kV/mm	Pass	UL 224
	体积电阻率 Volume Resistivity	>10 ¹⁴ Ω.cm	>10 ¹⁴ Ω.cm	ASTM D 257
化学性能 Chemical	铜腐蚀(158°C/168hrs) Copper Corrosion(158°C/168hrs)	No Corrosion	Pass	UL 224
	铜稳定 Stability	Elongation>100%	Pass	UL 224
	燃烧性能 Flammability	Pass	Pass	UL VW-1

规格尺寸 Dimensions

规格 ORDER REF.Size		内径 Inside Diameter				完全收缩后平均壁厚 Recovered Wall Thickness After Heating(NOM)	
		收缩前最小内径 Minimum Expanded as Supplied		收缩后最大内径 Maximum Recovered After Heating			
mm	inch	mm	inch	mm	inch	mm	inch
35.0	1 1/2	36.5	1 1/2	17.50	0.69	1.05±0.20	0.041±0.008
40.0	1 3/4	42.0	1 3/4	20.00	0.79	1.05±0.20	0.041±0.008
50.0	2	52.0	2	25.00	0.98	1.10±0.20	0.043±0.008
60.0	2 3/8	60.0	2 3/8	30.00	1.18	1.50±0.20	0.059±0.008
70.0	2 3/4	70.0	2 3/4	35.00	1.38	1.50±0.20	0.059±0.008
80.0	3	80.0	3	40.00	1.57	1.55±0.20	0.061±0.008
100.0	4	100.0	4	50.00	1.97	1.60±0.20	0.063±0.008
120.0	4 3/4	120.0	4 3/4	60.00	2.36	1.70±0.20	0.067±0.008
150.0	6	150.0	6	75.00	2.95	1.75±0.20	0.069±0.008
200.0	8	200.0	8	75.00	2.95	1.80±0.20	0.071±0.008

