



麦瑞特线缆材料（昆山）有限公司
Merit Wire&Cable Materials (Kunshan) Co.,Ltd

电线电缆材料专业供应商

Professional Manufacturer Wire&Cable Material



公司简介

Company Profile



麦瑞特线缆材料(昆山)有限公司和东莞市晟方线缆材料有限公司都隶属泰方机械旗下的子公司, 公司专业生产及销售电线电缆、光缆、电子通讯产品专用的屏蔽、隔离和填充材料。在生产抗EMI、RFI材料方面, 我们有较完善的品质管理体系和成熟的加工工艺以及先进的加工设备, 为客户的产品提供: 高频传输时提高屏蔽衰减度; 图像传输抵御画面干扰、音频传输避免串音干扰等解决方案。

我公司主要生产和销售电线电缆屏蔽绕包材料、绝缘绕包材料、阻燃绕包材料、半导电绕包材料及各种电线电缆填充材料和包装材料。所有的产品都符合ROSH和REACH环保标准要求。

我们拥有一批专业的研发团队和技术工程师,经过不断完善,勇于创新的精神,在电线电缆行业赢得了广大客户的好评,今后我们将继续与各位新老客户一起共同发展。

Dongguan Shengfang Wire&Cable material Co., Ltd. and Merit Wire&Cable material (Kunshan) Co., Ltd. are subordinate to the subsidiary of Shengfang machinery, specialized in the production and sales of wire and cable, optical cable, electronic communication products dedicated shielding, isolation and filling materials. In the production of anti-EMI, RFI material, we have a perfect quality management system and mature processing technology and advanced processing equipment, products for customer to provide: when high frequency transmission to improved shielding attenuation; image transmission to resist interference images, audio transmission to avoid crosstalk interference solution.

Our company mainly produce and sale cable and wire materials, such as shielding and wrapping material, insulation and wrapping material, fire-retardant wrapping material, semi-conductive and wrapping material and filling and packing. All products comply with REACH and ROHS environment protection standards.

We have a group of professional research and development team and technical engineers, through improving, the spirit of innovation in wire and cable industry from both the general customers the high praise, in the future; we will continue to work with all the customers together for common development.

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Shielding and wrapping materials

Aluminum polyester tape (single side)	
Aluminum polyester tape (double side)	
Free edge aluminum polyester tape	
Heat sealed aluminum polyester tape	
Aluminum polyester foil tape	
Copper polyester tape	
Copper polyester foil tape	

Insulating and wrapping materials

PET tape/ Mylar tape	
Heat sealed polyester tape	
Cotton paper tape for cable	
Kraft paper tape	
Light weight non-woven tape	
Plain non-woven tape	
Dot embossed non-woven tape	
Water blocking tape for cable	
PP foam tape	
Plain PP tape	
Dot embossed PP tape	
Cable CPP tape	

Fire retardant and wrapping materials

Mica Tape for Fire-resistant Cables	
Fire retardant glass fiber tape	
Low smoke non-halogen fire retardant tape	
Fire retardant non-woven tape	
High temperature color distinguishing ribbons	
Polyimide film tape	
PTFE film tape	

Semi-conductive wrapping materials

Semi-conductive non-woven tape	
Semi-conductive nylon tape	
Semi-conductive water blocking tape	
Semi-conductive cotton tape	
Semi-conductive tetolon tape	

Filling materials

PP yarn filler	
High tenacity polyester yarn	
High tenacity Nylon yarn	
Water Blocking Yarn	
Cable filling yarn	
Cotton thread	
Aramid yarn/Kevlar	
Carbon fiber yarn	
Kraft twine	
Glass fiber filling yarn	

Packing materials

PVC wrap film	
PE wrap film	

Wire and Cable materials for extrusion

Calculation formula for cable and wire material consumption	
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单面铝箔麦拉带 Aluminum polyester tape (single side)

[产品说明]: 采用软质铝箔与聚酯薄膜为原材,以凹版涂布进行复合,待铝箔麦拉熟成再分切卷收,其结构是一层铝箔和一层聚酯薄膜复合而成(AL/PET)。

Product Description: The raw material of aluminum polyester tape is soft aluminum foil and a polyester film, compound with intaglio coating, slitting and rolling when aluminum foil polyester was done, the structure is a layer of aluminum foil and a layer of polyester film. (AL/PET)

[应用方式]: 应用于无电磁场或静电干扰的电缆,如通信电缆、数据电缆、同轴电缆、网络电缆以及信号电缆的屏蔽,可搭配涂胶,铝箔麦拉模切后可用于组装屏蔽与接地。

Application: Apply to magnetic field with non-electromagnetic or precipitation static, such as communication cables, data cable, coaxial cable, internet cable and shielding of signal cable, can match with coating, it can be used in assemble shielding and grounding when aluminum foil polyester was cut.

铝箔麦拉包含:单面铝箔,双面铝箔,展翅铝箔,热熔铝箔,铝箔胶带,铝塑复合带。

Aluminum foil polyester include: Aluminum polyester tape (single side), Aluminum polyester tape (double side), Free edge aluminum polyester tape, Heat sealed aluminum polyester tape, Aluminum polyester foil tape, Composite aluminum-plastic tape.

一、主要技术指标 Main specifications

产品规格 Specification	组成 Composition		伸长率 Elongation (%)	抗张强度 Tensile strength (Mpa)	基重 Basis weight (g/m ²)	剥离强度 Peel strength (N/cm)
	铝厚 AL	麦拉厚 PET				
22±10%μm	7μm	12μm	35↑	60↑	39±10%	6.3↑
25±10%μm	7μm	15μm	35↑	60↑	43±10%	6.3↑
30±10%μm	7μm	20μm	35↑	60↑	51±10%	6.3↑
25±10%μm	9μm	12μm	35↑	60↑	45±10%	6.3↑
27±10%μm	9μm	15μm	35↑	60↑	49±10%	6.3↑
35±10%μm	9μm	23μm	35↑	60↑	61±10%	6.3↑
27±10%μm	12μm	12μm	20↑	60↑	53±10%	6.3↑
30±10%μm	15μm	12μm	20↑	60↑	62±10%	6.3↑
43±10%μm	20μm	20μm	20↑	60↑	86±10%	6.3↑
53±10%μm	25μm	25μm	20↑	60↑	107±10%	6.3↑
70±10%μm	40μm	25μm	15↑	60↑	147±10%	6.3↑
65±10%μm	50μm	12μm	10↑	60↑	156±10%	6.3↑
73±10%μm	50μm	20μm	15↑	60↑	167±10%	6.3↑

除以上规格外,其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 Color

常见颜色为蓝色和银色,还可根据需要做成红色、绿色、金色等,还可以根据客户需要印字和印斜纹等。

Common color is blue and silver, can also be made red, green, gold etc. according to customer's needs, and can also printing and printed twill according to customer needs.

三、应用 Application

主要应用于电脑线、通信电缆、高频信号线、射频线、同轴电缆等。

Mainly used in computer line, communication cable, high-frequency signal lines, RF cable, coaxial cable, and so on.

四、电气特性 Electrical characteristics

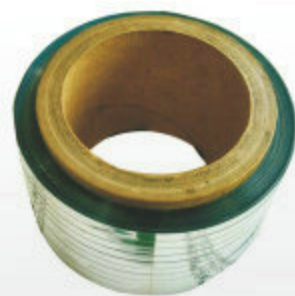
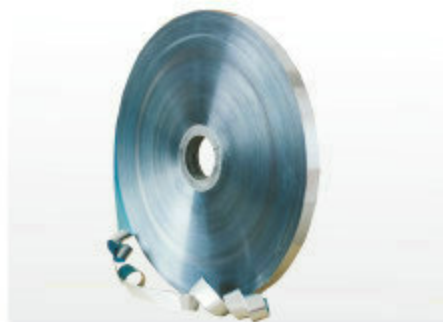
主要作为抗电磁干扰用,通常情况是在1-100MHZ,屏蔽衰减70dB左右时,用铝箔麦拉就可以达到。

mainly as an anti-electromagnetic interference is usually the case in 1-100MHZ, shielding around 70dB attenuation can be achieved with Mylar foil.

五、分切及包装 Slitting and packaging:

可以片装与复绕轴装,分切最小宽度为5mm,内孔大小为52mm或76mm;收卷最大外径为800mm,纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire retardant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

双面铝箔麦拉带

Aluminum polyester tape (double side)

[产品说明]: 采用两面软质铝箔与聚酯薄膜为原材, 以凹版涂布进行复合, 待铝箔麦拉熟成再分切卷收, 其结构是两边各一层铝箔和中间一层聚酯薄膜复合而成 (AL/PET/AL)。

Product Description: The raw material of aluminum polyester tape is soft aluminum foil and a polyester film, compound with intaglio coating, slitting and rolling when aluminum foil polyester was done; the structure is a layer of aluminum foil in the two sides and a layer of polyester film in the middle. (AL/PET/AL)

[应用方式]: 应用于无电磁场或静电干扰的电缆, 如通信电缆、数据电缆、同轴电缆、网络电缆以及信号电缆的屏蔽, 可搭配涂胶, 铝箔麦拉模切后可用于组装屏蔽与接地。

Application: Apply to magnetic field with non-electromagnetic or precipitation static, such as communication cables, data cable, coaxial cable, internet cable and shielding of signal cable, can match with coating, it can be used in assemble shielding and grounding when aluminum foil polyester was cut.

一、主要技术指标 Main specifications

产品规格 Specification	组成 Composition			伸长率 Elongation (%)	抗张强度 Tensile strength (Mpa)	基重 Basis weight (g/m ²)	剥离强度 Peel strength (N/cm)
	铝厚 AL	麦拉厚 PET	铝厚 AL				
32μm	7μm	12μm	7μm	35↑	6.3↑	61±10%	6.3↑
35μm	7μm	15μm	7μm	35↑	6.3↑	65±10%	6.3↑
36μm	9μm	12μm	9μm	35↑	6.3↑	74±10%	6.3↑
49μm	9μm	25μm	9μm	35↑	60↑	92±10%	6.3↑
55μm	12μm	15μm	12μm	35↑	60↑	94±10%	6.3↑
53μm	12μm	23μm	12μm	35↑	60↑	105±10%	6.3↑
61μm	15μm	25μm	15μm	20↑	60↑	122±10%	6.3↑

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers



二、颜色 Color

常见颜色为蓝色和银色, 还可根据需要做成红色、绿色、金色等, 还可以根据客户需要印字和印斜纹等。

Common color is blue and silver, can also be made red, green, gold etc, according to customer's needs, and can also printing and printed twill according to customer needs.

三、应用 Application

主要应用于电脑线、通信电缆、高频信号线、射频线、同轴电缆等。

Mainly used in computer line, communication cable, high-frequency signal lines, RF cable, coaxial cable, and so on.

四、电气特性 Electrical characteristics

主要作为抗电磁干扰用, 通常情况是在1-100MHZ, 屏蔽衰减70dB左右时, 用双面铝箔就可以达到。

mainly as an anti-electromagnetic interference is usually the case in 1-100MHZ, shielding around 70dB attenuation can be achieved with Mylar foil.

五、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.

Sample 样品

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire retardant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆材料
Wire and Cable materials for extrusion

展翅铝箔麦拉带 Free edge aluminum polyester tape

[产品说明]: 展翅铝箔麦拉又叫蝶翼铝箔麦拉,是将已分条的铝箔麦拉带与较宽的麦拉膜再做第二次精密复合。

Product Description: Free edge aluminum polyester tape also called butterfly wings aluminum polyester tape, which slit aluminum Mylar with wide Mylar film to do a second precise compound.

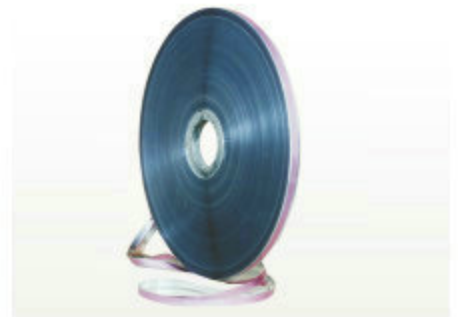
[应用方式]: 主要用于需要外披覆绝缘的干扰屏蔽,侧边延伸的薄膜提供可靠的绝缘密闭效果。应用于对绞线,复合线,等多导体线材的干扰遮蔽,如控制线材,计算机用线及信号传输线材等,是DVI、HDMI、DP、RGB等高频线材的必需材料。

Application: Mainly used for interference and shielding which need out drape insulation, the film of side extend provides reliable insulate effect. Apply to twisted pair wire, composite wire and interference shielding with multi-conductive wire, such as control wire, computer wire and signal wire etc. It is essential material of DVI、HDMI、DP、RGB high frequency wire.

一、主要技术指标 Main specifications

产品规格 Specification	宽度 Width(mm)	组成 Composition			伸长率 Elongation (%)	抗张强度 Tensile strength (kgf/m ²)	基重 Basis weight (g/m ²)	电阻 Resistance (Ωμm)
		铝厚 AL	麦拉厚 PET	麦拉厚 PET				
37μm	6+9	7μm	12μm	12μm	35↑	0.37↑	62.70	3800↓
40μm	8+11	7μm	12μm	15μm	35↑	0.38↑	63.45	5000↓
39μm	8+11	9μm	12μm	12μm	35↑	0.40↑	79.65	3800↓
42μm	10+14	9μm	12μm	15μm	35↑	0.40↑	70.45	5000↓

除以上规格外,其它可按客户特殊要求单独设计。
In addition to the above specifications, other special requirements can design according to customers



二、颜色 常见颜色为蓝色和银色,还可根据需要做成红色、绿色、金色等。

Color Common color is blue and silver, can also be made red, green, gold, etc, according to customer's needs.

三、应用 Application

主要应用于高频通信、电子等电线电缆之EMI屏蔽包材用。在DVI、HDMI、DP等高频线缆中,在为版本和工艺的特殊要求,展翅铝箔麦拉带被协会制定使用。其相等对于同时绕包普通铝箔麦拉和聚酯麦拉带,不仅大副送减少了操作工序,可以一次绕包成型,而且降低了20%的不良率。

Mainly used in EMI shielding and wrapping with high frequency cable and electronics, in high frequency cable, like DVI、HDMI、DP etc. for the special requirement with version and technique, free edge aluminum polyester tape was set down and use by association. Compare to common aluminum Mylar and Mylar tape, not only reduce the operate procedures, wrapping form can finish at one time, and reduce non-performing rate of 20%.

四、电气特性 Electrical characteristics

主要作为抗电磁干扰用,通常情况是在1-100MHZ,屏蔽衰减70dB左右时,用展翅铝箔麦拉就可以达到。
mainly as an anti-electromagnetic interference is usually the case in 1-100MHZ, shielding around 70dB attenuation can be achieved with free edge aluminum polyester tape.

五、分切及包装 Slitting and packaging

分切最小宽度为6+8mm,内孔大小为52mm或76mm;收卷最大外径为800mm,纸箱包装。
Slitting minimum width of 6+8mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.

样品
Sample

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire retardant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

热熔铝箔麦拉带 Heat sealed aluminum polyester tape

[产品说明]: 热熔铝箔麦拉又叫热融铝箔麦拉,分PE型热熔铝箔麦拉、PVC型热熔铝箔麦拉;采用热熔胶为MQ-40高分子聚合物,无毒无公害,符合最新版欧盟RoHS环保规章。另外一种叫自粘膜型热熔铝箔麦拉,采用正牌EAA自粘膜,保证能在较低预热温度下,具有良好的热熔粘效果,且保持长期稳定。

Product Description: Heat sealed aluminum polyester tape also called hot melt aluminum polyester tape, divide in PE heat sealed aluminum polyester tape and PVC heat sealed aluminum polyester tape, made of hot melt adhesive macromolecular polymer MQ-40, non-toxic and harmless, accord with the latest version of the EU RoHS environmental regulations. Another is self adhesive aluminum polyester tape, made of real EAA self adhesive film, it has good effect of hot melt adhesive when the low temperature, and can keep the stability for a long time.

[应用方式]: 主要应用于电脑线、家用通信电缆、高频信号线、射频线、同轴电缆等。利用线材外披覆压出的热能产生粘着,加固牢度好,密合优异,后段加工简单。应用于多导体控制线材的干扰遮蔽,如信号线,同轴电缆,有线电视线材, Series ATA排线或是局域网网络电缆。

Application: Mainly used in computer lines, communication cables, high-frequency signal lines, RF cable, coaxial cable, and so on. Make use of thermal energy with out coating wire, good reinforce, excellent compactness, simple process. Apply to interference and shielding of multi-conductive control wire, such as signal wire, coaxial cable TV wire, series ATA wire or LAN cables.

一、主要技术指标 Main specifications

产品规格 Specification	组成 Composition			伸长率 Elongation (%)	抗张强度 Tensile strength (kgf/m ²)	基重 Basis weight (g/m ²)	电阻 Resistance (Ω·mm)
	铝厚 AL	麦拉厚 PET	热熔胶 Hot melt adhesive				
30μm	7μm	15μm	5μm	35↑	0.22↑	66.15	2500↓
35μm	7μm	19μm	6μm	35↑	0.37↑	71.55	2500↓
40μm	7μm	25μm	5μm	35↑	0.40↑	79.65	2500↓
50μm	7μm	30μm	10μm	35↑	0.45↑	86.40	2500↓

除以上规格外,其它可按客户特殊要求单独设计。
In addition to the above specifications, other special requirements can design according to customers

热熔材质: MQ-40, Proprietary Formulated Co-polymer; EAA自粘膜

Hot melt materials: MQ-40, Proprietary Formulated Co-polymer, EAA self adhesive film

涂布厚度: 精密涂布可自3μ起至最大25μ (3克至25克/平方米)

Coating thickness: Precise coating 3μ-25μ (3g-25g/m²)

热反应温度: 摄氏110至135度

Temperature thermal reaction: 110°C-135°C

热封强度: 一般约为250至400克/20mm, 特殊结构与强化配方可达1500克/20mm以上

Heat-Sealing strength: normal=250~400g/20mm, strengthened>1500g/20mm

二、颜色 常见颜色为蓝色和银色,还可根据需要做成红色、绿色、金色等。

Color Common color is blue and silver, can also be made red, green, gold, etc, according to customer's need

三、电气特性 Electrical characteristics

主要作为抗电磁干扰用,通常情况是在1-100MHZ, 屏蔽衰减80dB左右时,单独用双面铝箔就可以达到。

Mainly as an anti-electromagnetic interference is usually the case in 1-100MHZ, shielding around 80dB attenuation can be achieved with Mylar foil.

四、分切及包装 Slitting and packaging

分切最小宽度为2mm, 采用轴装形式; 常规分切宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 2mm, adopt shaft packing form; conventional slitting width is 5mm, bore size is 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.

Sample
样品



屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire retardant and wrapping materials

半导体类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆线材
Wire and cable materials for extrusion

铝箔麦拉胶带

Aluminum polyester foil tape

[产品说明]: 以高纯度的铝箔为基材, 再覆以PET聚酯带及环保型导电胶或者不导电胶制作而成的铝箔麦拉胶带, 具有极佳的静电消散性, 不易皱折, 不易撕裂、耐热、稳定性好; 一面导电, 一面绝缘, 可有效保护包覆的部位。

Product Description: Aluminum polyester foil tape mainly made of high purity aluminum foil, cover with PET tape and environmentally conductive adhesive or non conductive adhesive, which has excellent franklinism dissipation, not easy to fold, not easy to tearing, heat-resistant, stability, one side conductive, one side insulation, it can protect the wrapping part.

[应用方式]: 主要用于电脑显示器, 电脑周边线材与变压器制造, 中央空调管线, 抽烟机, 冰箱, 热水器等的管线接缝, 电线、电缆、精密电子产品、电脑设备等; 高频传输时, 隔离电磁波干扰, 耐高温防止自燃。

Application: Mainly apply to CRT, computer line and transformer manufacture, pipe connect of central Air - Conditioning pipe, smoke sucker, fridge, water heater, wire, cable, precise electronic product and computer facility, when it transfer with high frequency, isolate interference of electromagnetic wave, high temperature resistance and avoid auto-ignition.

一、主要技术指标 Main specifications

产品规格 Specification	组成 Composition			伸长率 Elongation (%)	抗张强度 Tensile strength (kgf/m ²)	基重 Basis weight (g/m ²)	电阻 Resistance (Ωμ.m)
	铝厚 AL	麦拉厚 PET	压克力胶 Acrylic adhesive				
65μm	10μm	12μm	40±5μm	35 ↑	0.22 ↑	66.15	2500 ↓
80μm	25μm	12μm	40±5μm	35 ↑	0.37 ↑	71.55	2500 ↓
103μm	35μm	25μm	40±5μm	35 ↑	0.40 ↑	79.65	2500 ↓

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 银色

Color Silver

三、电气特性 Electrical characteristics

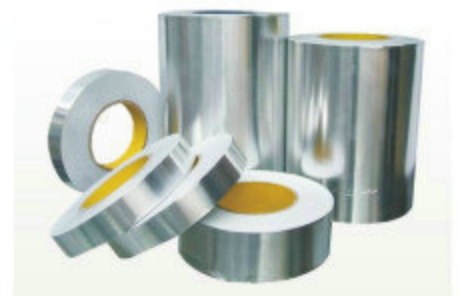
具有保温, 隔热, 防水, 粘力佳, 耐寒性好, 易撕, 为消除电磁干扰(EMI), 隔离电磁波对人体的危害, 避免不需要之电压或电流而影响功能。

Heat preservation, thermal insulation, waterproof, excellent adhesive, cold-resistant, easy to tear, to remove elimination of electromagnetic interference (EMI), isolate electromagnetic wave to harm human, avoiding undesired voltage and current to effect the function.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging



样品
Sample

屏蔽包装材料
Shielding and wrapping materials

绝缘包装材料
Insulating and wrapping materials

阻燃包装材料
Fire retardant and wrapping materials

半导电包装材料
Semi-conductive wrapping materials

填充材料
Filling materials

包装材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

铜箔麦拉带 Copper polyester tape

[产品说明]: 铜箔麦拉带也叫铜塑复合带, 由铜箔、PET聚酯薄膜、粘合剂组成, 具有低表面氧气特性, 可以附着与各种不同基材, 如金属, 绝缘材料等, 广泛应用于通讯、电脑、无线电等领域的电子元器件材料以及电线、电缆的屏蔽材料和FPC线路板、柔性线路板的配套产品。压延铜箔因其较电解铜箔具有高强度、高弯曲性、延展性、导电性能好、散热好、表面光泽更优等特点成为某些产品不可替代的原料。

Product Description: Copper polyester tape also called copper plastic composite tape, consist of copper foil, PET film and adhesive, with oxygen properties in low surface, can be attached with a variety of different base materials, such as metal and insulation materials etc. Widely used in the field, such as communication, computer, radio and other electronic components. And shielding materials for cable, FPC wire board and soft wire board. Cause rolled copper foil also called electrolytic copper foil with high strength, high flexibility, good ductility, good conductivity, heat dissipation and gloss characteristics it becomes a necessary raw materials of some products.

[应用方式]: 主要用于屏蔽性能要求较高的电缆中, 如计算机电缆、信号电缆、通讯电缆、同轴电缆等对屏蔽性能要求较高的特种电缆。聚酯薄膜起到加强铜箔拉伸强度的作用。

Application: Mainly used in shielded cables with high performance requirements, computer cable, signal cable, communication cable, and coaxial cable. Polyester film plays a role in strengthening the tensile strength of the copper foil.

一、主要技术指标 Main specifications

产品规格 Specification	组成 Composition		伸长率 Elongation (%)	抗张强度 Tensile strength (Mpa)	基重 Basis weight (g/m ²)	剥离强度 Peel strength (N/cm)
	铜厚 Cu	麦拉厚 PET				
30μm	15μm	12μm	8↑	100↑	155	3↑
33μm	18μm	12μm	8↑	100↑	182	3↑
46μm	18μm	25μm	8↑	100↑	200	3↑
35μm	20μm	12μm	8↑	100↑	199	3↑
48μm	20μm	25μm	8↑	100↑	218	3↑
53μm	25μm	25μm	8↑	100↑	262	3↑
103μm	25μm	75μm	8↑	100↑	332	3↑

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 铜色

Color Copper

三、铜箔麦拉的电气特性 Electrical characteristics

主要作为抗电磁干扰用, 通常情况是在1-100MHZ, 屏蔽衰减100dB左右使用。Primarily as anti-electromagnetic interference, usually use in 1-100MHZ, shielding attenuation of 100dB.

四、分切及包装 Slitting and packaging

分切最小宽度为2mm, 采用轴装形式; 常规分切宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting and packaging: Slitting minimum width of 2mm, adopt shaft packing form; conventional slitting width is 5mm, bore size is 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



Sample
样品

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire resistant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆线材
Wire and cable materials for extrusion

铜箔麦拉胶带

Copper polyester tape

[产品说明]: 铜箔麦拉带由铜箔、麦拉、传导亚克力胶组成, 其粘性好, 附着力强。铜箔胶带分为单面覆胶和双面覆胶, 单面覆胶的铜箔胶带又分为单导铜箔胶带和双导铜箔胶带, 单导铜箔胶带即指覆胶面不导电, 只有另外一面铜导电, 故称单导即单面导电; 双导铜箔胶带是指覆胶面导电, 而且另一面铜本身也导电, 故称双导即双面导电。

Product Description: Copper foil tape made up of copper foil, Mylar and conductive acrylic adhesive, sticky, strong adhesion. Copper foil tape consists of coated plastic and double side coating, coated copper foil tape is made up of single conductive foil tape and double conductive copper foil tape, single conductive copper foil tape refers to the coating non-conductive, only copper can conductive, it is called single conductive; double conductive copper foil tape refers to the coating conductive, and copper also conductive, it is called double conductive.

[应用方式]: 主要应用于电磁屏蔽, 分电信号屏蔽和磁信号屏蔽两种, 电信号屏蔽主要是依靠铜本身优异的导电性能, 而磁屏蔽则需要铜箔胶带的胶面导电物质“镍”来达到磁屏蔽的作用, 因而被广泛应用于手机, 笔记本电脑和其他数码产品之中。同时可用于接地, 各类电子元器件的表面屏蔽。模切冲型后, 可应用笔记本电脑、LCD显示器、复印机等需要电磁屏蔽的部位。

Application: Mainly used for electromagnetic shielding, two of them are signal shielding and magnetic shielding, signal shielding mainly depend upon excellent conductivity of copper, and magnetic shielding needs the conductive substance "nickel" of copper foil tape to achieve the effect of magnetic shielding, which is widely used in mobile phones, laptop and other digital products. It also can be used for grounding, the shielding of electronic components. After punching, can be used in parts of needing electromagnetic shielding, such as laptop, LCD monitors and duplicator.

一、主要技术指标 Main specifications

产品规格 Specification	组成 Composition			伸长率 Elongation (%)	抗张强度 Tensile strength (kgf/m ²)	基重 Basis weight (g/m ²)	电阻 Resistance (Ω·mm)
	铜厚 Cu	麦拉厚 PET	亚克力胶 Acrylic adhesive				
65μm	10μm	12μm	40±5μm	35 ↑	0.22 ↑	66.15	2500 ↓
80μm	25μm	12μm	40±5μm	35 ↑	0.37 ↑	71.55	2500 ↓
103μm	35μm	25μm	40±5μm	35 ↑	0.40 ↑	79.65	2500 ↓

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 铜色

Color Copper

三、电气特性 Electrical characteristics

具有保温, 隔热, 防水, 粘力佳, 耐寒性好, 易撕, 为消除电磁干扰(EMI), 隔离电磁波对人体的危害, 避免不需要之电压或电流而影响功能。
Heat preservation, thermal insulation, waterproof, excellent adhesive, cold-resistant, easy to tear, to remove elimination of electromagnetic interference (EMI), isolate electromagnetic wave to harm human, avoiding undesired voltage and current to effect the function.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire retardant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

PET聚酯带

PET tape/ Mylar tape

[产品说明]: 麦拉带Mylar/PET聚酯带利用双向拉伸聚酯材料的高引张强度与电气特性, 提供电缆内部结构的包覆与绝缘。
Product Description: Mylar tape/Polyester tape use high tensile strength and electrical characteristics with bi-axially polyester material, providing cable coating and insulation of internal structures.

[应用方式]: 适用于讯号传输线, 同轴电缆, 控制电缆等多股结构的复合线材, 及其它线材内部的绝缘用途。

Application: Suitable for composite wire materials with multiple structures, like signal transmission lines, coaxial cable, control cable, and other insulation usage with interior wire materials.

一、主要技术指标 Main specifications

产品规格 Specification	伸长率 Elongation (%)	抗张强度 Tensile strength (kgf/m ²)	基重 Basis weight (g/m ²)
12μm	35 ↑	0.18 ↑	18.25
15μm	35 ↑	0.22 ↑	20.25
25μm	35 ↑	0.37 ↑	33.75
38μm	35 ↑	0.58 ↑	51.30
50μm	35 ↑	0.75 ↑	79.65
75μm	35 ↑	1.12 ↑	86.40

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 透明

Color Transparent

三、电气特性 Electrical characteristics

耐温180℃, 具有较高的机械强度, 卓越的绝缘屏蔽性能, 耐高温、耐低温, 是理想的绕包材料, 主要作为绝缘及隔离, 同时可以增加特性阻抗。

Temperature resistance of 180 °C, with high mechanical strength, excellent in insulation shielding property, high temperature resistance, low temperature resistance, is an ideal wrapping material, mainly used as insulation and isolation, as well as increased impedance.

四、分切及包装 Slitting and packaging

分切最小宽度为2mm, 采用轴装形式; 常规分切宽度为5mm, 内孔大小为52mm或76mm; 收卷最在外径为800mm, 纸箱包装。

Slitting minimum width of 2mm, adopt shaft packing form; conventional slitting width is 5mm, bore size is 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类绕包材料
Shielding and wrapping materials

绝缘类绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire retardant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆胶料
Wire and Cable materials for extrusion

屏蔽及绕包材料
Shielding and wrapping materials

绝缘带绕包材料
Insulating and wrapping materials

阻燃绕包材料
Fire retardant and wrapping materials

半导电绕包材料
Semi-conductive wrapping materials

填充材料
Filling materials

包装材料
Packing materials

电线电缆材料
Wire and cable materials for extrusion

热熔麦拉带 Heat sealed polyester tape

[产品说明]: 热熔麦拉带采用热熔胶为MQ-40的高分子聚合物与PET聚酯带均匀涂布而成, 无毒无公害, 符合最新版欧盟RoHS环保规章。保证能在较低预热温度下, 具有良好的热熔粘结效果, 且保持长期稳定。

Product Description: Heat sealed polyester tape using hot-melt adhesive for MQ-40 high polymer and PET polyester coating, non-toxic and harmless, accord with the latest version of the EU RoHS environmental regulations. It has good effect of hot melt adhesive when the low temperature and can keep the stability for a long time.

应用方式: 主要应用于高频信号线、射频线、同轴电缆、电脑线、家用通信电缆等。利用线材外覆盖压出的热能产生粘着, 加固牢度好, 密合优异, 后段加工简单。应用于多导体控制线材内部的绝缘用途, 如信号线, 同轴电缆, 有线电视线材, USB3.1数据线, Series ATA排线或是局域网网络电缆。

Application: Mainly used in high-frequency signal lines, RF cable, coaxial cable, computer lines, and communication cables and so on. Use thermal energy with out coating wire, good reinforce, excellent compactness and simple process. Apply to insulation function of multi-conductive control wire inner, such as signal wire, coaxial cable, TV wire, and USB3.1 data lines, series ATA wire or LAN cables.

一、主要技术指标 Main specifications

产品规格 Specification	组成 Composition		伸长率 Elongation (%)	抗张强度 Tensile strength (kgf/m ²)	基重 Basis weight (g/m ²)
	麦拉厚 PET	热熔胶 Hot melt adhesive			
17μm	12μm	5μm	35 ↑	0.18 ↑	18.25
20μm	15μm	5μm	35 ↑	0.22 ↑	20.25
30μm	25μm	5μm	35 ↑	0.37 ↑	33.75
43μm	38μm	5μm	35 ↑	0.58 ↑	51.30
55μm	50μm	5μm	35 ↑	0.75 ↑	79.65
80μm	75μm	5μm	35 ↑	1.12 ↑	86.40

除以上规格外, 其它可按客户特殊要求单独设计。
In addition to the above specifications, other special requirements can design according to customers

热熔材质: MQ-40, Proprietary Formulated Co-polymer

Hot melt materials: MQ-40, Proprietary Formulated Co-polymer

涂布厚度: 精密涂布可自3μ起至最大25μ (3克至25克/平方米)

Coating thickness: Precise coating 3μ-25μ (3g-25g/m²)

热反应温度: 摄氏110至135度

Temperature thermal reaction: 110°C-135°C

热封强度: 一般约为250至400克/20mm, 特殊结构与强化配方可达1500克/20mm以上

Heat-Sealing strength: normal=250~400g/20mm, strengthened>1500g/20mm

二、颜色 透明

Color Transparent

三、电气特性 Electrical characteristics

耐温180°C, 具有较高的机械强度, 卓越的绝缘屏蔽性能, 耐高温、耐低温, 是理想的绕包材料, 主要作为绝缘及隔离, 同时可以增加特性阻抗。

Temperature resistance of 180°C, with high mechanical strength, excellent insulation and shielding performance, high temperature resistance, low temperature resistance. It is an ideal wrapping material, mainly used as insulation and isolation, as well as increased characteristic impedance.

四、分切及包装 Slitting and packaging

分切最小宽度为2mm, 采用轴装形式; 常规分切宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 2mm, adopt shaft packing form; conventional slitting width is 5mm, bore size is 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

电缆棉纸带

Cotton paper tape for cable

[产品说明]: 又称电缆隔离纸, 棉纸提供了纸浆长纤维的蓬松性与耐加工性, 特别适用于电缆结构间隙绕包、隔离与填充。

Product Description: Also called cable isolation paper, cotton paper provides a long fluffy fiber and pulp processing, especially use for wrapping, isolation and filling in the gap of cable.

[应用方式]: 主要用于通讯电缆、电力电缆、高频信号线、电源线、橡胶套电缆等的绕包, 起隔离, 填充, 吸油的作用。

Application: Mainly use for wrapping in communication cables, power cables, high-frequency signal lines, power lines, rubber cable wrap, plays a role in isolation, filling, oil-absorbing.

一、主要技术指标 Main specifications

产品规格 Specification	断裂伸长率 Elongation Atbreak (%)	抗张强度 Tensile strength (kgf/15mm)	基重 Basis weight (g/m ²)
35±5μm	2↑	3.4↑	33.24
40±5μm	2↑	3.4↑	33.24
43±5μm	2↑	3.2↑	35.24
45±5μm	2↑	3↑	37.35
45±5μm	2↑	4↑	37.35
50±5μm	2↑	4.5↑	39.26
60±5μm	2↑	5↑	49.06
65±5μm	2↑	5.5↑	52.36
80±5μm	2↑	7↑	58.33

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 白色

Color White

三、电气特性 Electrical characteristics

主要作为隔离, 防止导体氧化发黑, 同时可用于电缆结构间隙填充与包覆, 与传统PP带, 聚酯带等材料相比较, 比重轻50%, 手感好, 韧性好, 无毒环保等优点。经200℃高温测试, 不熔, 不脆, 不粘护套外皮。

Mainly used as an isolation to prevent conductor oxidation and blackening, can also be used for filling and coating, compared to traditional PP tape, polyester tape, the proportion light 50%, feel good, toughness, nontoxic and environmentally etc. test by 200 °C high temperature, won't melt, not crisp, non-stick outer sheath.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



Sample
样品

屏蔽类包装材料
Shielding and wrapping
materials

绝缘屏蔽包装材料
Insulating and wrapping
materials

阻燃类包装材料
Fire retardant and wrapping
materials

半导电类包装材料
Semi-conductive wrapping
materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆材料
Wire and Cable materials
for extrusion

屏蔽类包装材料
Shielding and wrapping materials

牛皮纸带 Kraft paper tape

[产品说明]: 牛皮纸带有黄色和白色两种, 柔软而有韧性。

Product Description: Kraft paper tape has two kinds of yellow and white, soft and tough.

绝缘带绕包材料
Insulating and wrapping materials

[应用方式]: 主要用于电机线, 电磁线绕包, 以及电机匝间绝缘。

Application: Mainly used for motor wire, electromagnetic winding, as well as inter turn insulation of motor.

一、主要技术指标 Main specifications

产品规格 Specification	断裂伸长率 Elongation at break (%)	抗张强度 Tensile strength (N/30mm)	基重 Basis weight (g/m ²)
40±5μm	5↑	60↑	30±3
50±5μm	5↑	70↑	40±4
60±10μm	5↑	70↑	45±5
100±10μm	5↑	100↑	70±5

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

阻燃类包装材料
Fire retardant and wrapping materials

二、颜色 颜色: 黄色, 白色

Color Yellow, White

半导电类包装材料
Semi-conductive wrapping materials

三、电气特性 Electrical characteristics:

耐高温, 耐高压, 耐硫化, 比重轻, 韧性非常好。

Electrical characteristics: High temperature resistance, high pressure resistance, vulcanization resistance, light weight, toughness is very good.

填充类材料
Filling materials

四、分切及包装 Slitting and packaging:

分切最小宽度为5mm, 内孔大小为52mm或76mm;

收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm;

the winding maximum outer diameter of 800mm, carton packaging.



包装类材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

样品
Sample

轻型无纺布

Light weight non-woven tape

[产品说明]: 轻型无纺布又称薄型无纺布、PET无纺布。由100%聚酯纤维组成, 经泡沫浸渍烘干压制成型, 纤维经过充分梳理, 纵向强度高。

Product Description: Light non-woven tape also called thin non-woven tape, PET non-woven tape, made up of 100% polyester. After a foam impregnation, dry pressing and forming, fiber was combed fully, longitudinal strength.

[应用方式]: 适合用于橡胶套电缆、电力电缆、特种电缆、通信电缆、同轴电缆、音频舞台电缆和光缆。

Application: Used in rubber-sheathed cables, power cables, special cables, communication cables, coaxial cables, audio cables and optic cable.

一、主要技术指标 Main specifications

产品规格 Specification	伸长率 Elongation (%)	抗张强度 Tensile strength (N/30mm)	基重 Basis weight (g/m ²)	热收缩率 Heat shrinkage (%)	吸水速度 Water absorption speed (mm/min)
30±5μm	10↑	24↑	17±3	2.5↓	0.1↓
50±5μm	10↑	50↑	30±4	2.5↓	0.1↓
60±5μm	10↑	80↑	30±4	2.5↓	0.1↓
80±5μm	10↑	100↑	40±5	2.5↓	0.1↓
100±5μm	10↑	120↑	60±5	2.5↓	0.1↓
120±5μm	10↑	150↑	70±5	2.5↓	0.1↓
150±5μm	10↑	160↑	75±5	2.5↓	0.1↓
200±5μm	10↑	200↑	75±5	2.5↓	0.1↓

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 白色

Color White

三、电气特性 Electrical characteristics:

轻型无纺布厚度较薄, 比重较轻, 因此成本较低。且柔软性好, 适合各种电线电缆绕包。并且瞬间耐温可承受180度不熔化不变形, 可耐硫化。

Thickness of light weight non-woven tape is light, so the cost is little lower. Good flexibility and it is suitable for wrapping in all kinds of wires and cables. And can withstand 180 degree, not melt and deformation, can be resistant to sulfide.

四、分切及包装 Slitting and packaging:

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



Sample
样品

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire resistant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆胶料
Wire and Cable materials for extrusion

屏蔽类包材料
Shielding and wrapping materials

平纹无纺布 Plain non-woven tape

[产品说明]: 平纹无纺布表面比较光滑, 又称7031聚酯纤维电工无纺布, 由聚酯纤维经浸渍粘合烘干成型。纤维经过充分梳理, 纵向强度高。具有质量轻, 厚度薄, 拉伸强度大, 绝缘性能好, 低弹性, 无腐蚀性等特点。

Product Description: Plain non-woven tape has smooth surface, also called 7031 polyester electrical non-woven tape, made of polyester, and via filament impregnated adhesive drying process. Fiber combed fully, longitudinal strength. With light weight, thin thickness, tensile strength, good insulating properties, low elasticity, non-corrosive and so on.

[应用方式]: 适用于橡胶套电缆、电力电缆、特种电缆、通信电缆、同轴电缆、音频舞台电缆和光缆等。

Application: Used in rubber-sheathed cables, power cables, special cables, communication cables, coaxial cables, audio cables and optic cable.

绝缘带类包材料
Insulating and wrapping materials

一、主要技术指标 Main specifications

产品规格 Specification	伸长率 Elongation (%)	抗张强度 Tensile strength (N/30mm)	基重 Basis weight (g/m ²)	热收缩率 Heat shrinkage (%)	吸水速度 Water absorption speed (mm/min)
35±5μm	10↑	24↑	17±3	2.5↓	0.1↓
80±5μm	10↑	100↑	40±5	2.5↓	0.1↓
100±5μm	10↑	120↑	70±5	2.5↓	0.1↓
150±5μm	10↑	160↑	75±5	2.5↓	0.1↓
200±5μm	10↑	200↑	75±5	2.5↓	0.1↓

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

阻燃类包材料
Fire resistant and wrapping materials

半导电类包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

二、颜色 白色或淡蓝色

Color White or light blue

三、电气特性 Electrical characteristics

比重比压花无纺布轻40%左右, 成本较低, 且厚度较薄, 柔软性好, 耐温达280°C。
Weight is lighter 40% than embossing non-woven tape, lower cost, thin thickness, good flexibility, heat resistance up to 280°C.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

压花点子无纺布

Dot embossed non-woven tape

[产品说明]: 压花点子无纺布是以涤纶纤维为主体, 丙纶纤维为粘结剂, 经热轧法科学加工而成。

Product Description: Dot embossed non-woven tape is mainly made of polyester fiber, polypropylene fiber as adhesive agent, and is formed by thermal bonding scientific processing.

[应用方式]: 适合用于全塑电力电缆、控制电缆、通信电缆、光纤电缆、橡套电缆的绕包、芯外扎紧、纵包及垫层使用等。

Application: Suitable for wrapping, tightening ex-core, pitch and cushion in plastic power cables, control cables, communication cables, optical cables, rubber-sheathed cable.

一、主要技术指标 Main specifications

产品规格 Specification	伸长率 Elongation (%)	抗张强度 Tensile strength (N/40mm)	基重 Basis weight (g/m ²)	吸水速度 Water absorption speed (mm/min)
130±5μm	15↓	120↑	70±5	0.1↓
160±5μm	15↓	150↑	80±5	0.1↓
200±5μm	20↓	200↑	95±5	0.1↓
250±5μm	20↓	250↑	105±5	0.1↓

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 白色和草绿色。

Color White and grass green

三、电气特性 Electrical characteristics

压花点子无纺布比重轻, 拉伸力强, 由于压花后增加了摩擦, 绕包时不易松脱, 适用于绕包速度较快的成缆机用。

light weight, good for tensile strength, due to the embossed increases the friction, it is not easy to loose when wrapped, apply to wrapping with high speed machine.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



Sample 样品

屏蔽类绕包材料
Shielding and wrapping materials

绝缘带类绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire resistant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆胶料
Wire and Cable materials for extrusion

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire retardant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

电缆阻水带

Water blocking tape for cable

[产品说明]: 由聚酯无纺布、粘合剂、高速膨胀高分子吸水树脂等材料加工而成。

Product Description: Made of polyester non-woven tape, adhesives, rapid expansion polymer absorbent resin material and processed.

[应用方式]: 适合用于光缆、通讯电缆、电力电缆结构组件的阻水。

Application: Suitable for water resisting in structural components of optic cables, communication cables, power cables.

一、主要技术指标 Main specifications

产品规格 Specification (μm)	基重 Basis weight (g/m^2)	拉伸强度 Tensile strength (N/cm)	伸长率 Elongation (%)	膨胀速率 Swelling speed $\text{mm}/1''\text{min}$	膨胀高度 Swelling height (mm)	短期稳定性 Short-term stability ($^{\circ}\text{C}$)	长期稳定性 Long-term stability ($^{\circ}\text{C}$)	含水率 Moisture content (%)
200±20	80±10	20↑	12↑	6↑	10↑	230	90	9↓
250±20	90±10	30↑	12↑	7↑	12↑	230	90	9↓
300±30	100±10	40↑	12↑	8↑	14↑	230	90	9↓
400±40	120±10	40↑	12↑	10↑	15↑	230	90	9↓
500±50	140±10	40↑	12↑	12↑	16↑	230	90	9↓

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 白色

Color White

三、电气特性 Electrical characteristics

电缆阻水带无腐蚀性, 可以减少光电缆中水及潮气的渗入, 延长光电缆的工作寿命。

Water blocking tape for cable is non corrosive, can reduce water and humidity infiltration of optical cable, and extend its lifetime.



四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.

样品
Sample

聚丙烯发泡带(PP发泡带)

PP foam tape

[产品说明]: PP发泡带以聚丙烯为主材质。以物理和机械发泡工艺制成。

Product Description: PP foam tape is mainly made of polypropylene. It Process with physical and mechanical foaming.

[应用方式]: 适用于通讯电缆及屏蔽层、防水层等多股结构复合式线缆的绕包与填充。

Application: Apply to wrapping and filling with communication cable and shielding layer, waterproof layer of composite cable with multiple structures.

一、主要技术指标 Main specifications

产品规格 Specification (mm)	基重 Basis weight (g/m ²)	拉伸强度 Tensile strength (kg/m ²)	断裂伸长率 Elongation atbreak (%)
0.12±0.02	60±10	≥35	≥10
0.14±0.02	70±10	≥40	≥10
0.16±0.02	80±10	≥45	≥10
0.18±0.02	90±10	≥52	≥10
0.20±0.02	100±10	≥58	≥10

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 白色

Color White

三、电气特性 Electrical characteristics

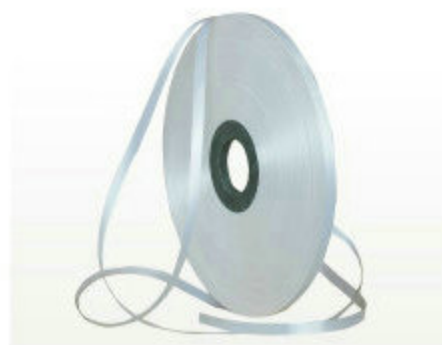
PP发泡带的主要特点是比重轻、纵向拉力好、环保。具有良好的耐热性, 可用于超过120°C的场所

The main character of PP foam tape is light weight, good longitudinal tensile, environmentally friendly. Has good heat resistance and can be used for more than 120°C.

四、分切及包装 Slitting and packaging:

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



Sample 样品

屏蔽类绕包材料
Shielding and wrapping materials

绝缘类绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire resistant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆材料
Wire and Cable materials for extrusion

平纹聚丙烯带 (平纹PP带)

Plain PP tape

[产品说明]: 平纹PP带是其它各种电缆包带的良好替代品,它主要是在原有的工艺流程之上,溶入了适量的特殊改性材料,并进一步经过特殊的拉伸工艺,低温下不发硬,高温下热缩性好,使之用途更广泛,性价比更高。

Product Description: Plain PP tapes is a good substitute for other kinds of tape for cables, it is mainly on the process of the original into the special modified materials appropriate, and further stretching through special process, low temperature is not hard, heat shrinkable under high temperature, the use of more extensive, more cost-effective.

[应用方式]: 主要用于电力电缆、控制电缆、交联电缆、矿缆、通讯电缆等。

Application: Mainly used for wrapping in power cable, control cable, cross-linked cable, mining cable, communication cable.

一、主要技术指标 Main specifications

名称 Name	产品规格 Specification (mm)	基重 Basis weight (g/m ²)	拉伸强度 Tensile strength (Mpa)	断裂伸长率 Elongation atbreak (%)
透明平纹PP带	0.06±0.01	60±10	≥150	≥30
普通白色平纹PP带	0.06±0.01	70±10	≥100	≥15

除以上规格外,其它可按客户特殊要求单独设计。
In addition to the above specifications, other special requirements can design according to customers

二、颜色

透明,白色,蓝色,绿色,红色。

Color Transparent, white, blue, green, red

三、电气特性 Electrical characteristics

产品比重轻,厚度薄,拉伸强度大,适中的伸长率,防潮,不吸水,电性能良好,有一定的阻燃性,单盘绕线长,剥离性,耐热性能良好等,且绕线紧密圆整。

The product light weight, thin thickness, tensile strength, moderate elongation, moisture, non absorbent, good electrical properties, flame retardant properties, single coil length, stripping resistance, good heat resistance, and wound tightly round.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm,内孔大小为52mm或76mm;收卷最大外径为800mm,纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类包材料
Shielding and wrapping
materials

绝缘带类包材料
Insulating and wrapping
materials

阻燃类包材料
Fire retardant and wrapping
materials

半导电类包材料
Semi-conductive wrapping
materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆材料
Wire and Cable materials
for extrusion

压花点子聚丙烯带 (压花点子PP带)

Dot embossed PP tape

[产品说明]: 压花点子PP带是平纹PP带表面经过压花处理,增加了摩擦,在高速绕包时不易打滑脱落。具有良好的拉伸强度,且材料较为坚固,不会被铠装电缆钢带损坏。

Product Description: Dot embossed PP tape is Plain PP tape surface by embossing treatment, increased friction, in high-speed winding, it is not easy to slip off. It has good tensile strength, and the material is stronger and will not be damaged by armored cable and steel band.

[应用方式]: 主要用于铠装电缆,电力电缆、控制电缆、交联电缆等。

Application: Mainly used for armored cables, power cables, control cables, XLPE cables and so on.

一、主要技术指标 Main specifications

产品规格 Specification (mm)	基重 Basis weight (g/cm ³)	拉伸强度 Tensile strength (Mpa)	断裂伸长率 Elongation atbreak (%)
0.20±0.04	175±20	≥150	≥10
0.30±0.05	330±30	≥300	≥10
0.40±0.06	650±40	≥600	≥10

除以上规格外,其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色

白色

Color White

三、电气特性 Electrical characteristics

产品比重轻,厚度薄,拉伸强度大,适中的伸长率,防滑,防潮,不吸水,电性能良好,有一定的阻燃性,单盘绕线长,剥离性,耐热性能良好等,且绕线紧密圆整。

The product light weight, thin thickness, tensile strength, moderate elongation, skid proof, moisture-proof, non absorbent, good electrical properties, flame retardant properties, single coil length, stripping resistance, good heat resistance, and wound tightly round.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm,内孔大小为52mm或76mm;收卷最大外径为800mm,纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire retardant and wrapping materials

半导体类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆材料
Wire and Cable materials for extrusion

电缆CPP带 Cable CPP tape

[产品说明]: CPP带耐热性能良好, 缠绕捆扎性能稳定可靠, 具有一定的阻燃性, 利用高分子结晶特性进行了粗化处理, 改掉了聚酯(PET)、BOPP带不防滑的缺点, 成本低廉, 已成为目前其它各类型绕包带的替代产品。

Product Description: CPP with a good heat resistance, wrapping and banding performance is stable and reliable, has fire-resistant property, rough treatment by using polymer crystallization characteristics, get rid of polyester (PET), BOPP tape may wish-slip faults, low cost, and has become alternative products in other wrapping tape.

[应用方式]: 主要用于电力电缆、控制电缆、交联电缆、矿缆、通讯电缆等绕包。因厚度比无纺布和PVC带等要薄很多, 故单盘绕线长度且绕线紧密, 能有效减少停车次数, 降低工人的劳动强度, 大幅降低的电缆的生产成本。

Application: Mainly used for wrapping in power cable, control cable, cross-linked cable, mining cable, communication cable. Due to thickness is much thinner than non-woven tape and PVC tape, length of single coiling line and coiling tightly, can reduce the number of stops, reduce the labor intensity of workers, reducing the production costs dramatically of the cable.

一、主要技术指标 Main specifications

产品规格 Specification (mm)	基重 Basis weight (g/cm ³)	纵向拉伸强度 Tensile strength (MD) (Mpa)	纵向断裂延长率 Elongation at break (MD) (%)	体积电阻 Volume resistance (Ω·cm)	介电强度 Dielectric strength (KV/mm)	使用温度范围 Temperature range (°C)
0.08±0.02	0.92±2	≥100	≥30	≥1*10 ¹⁴	≥140	-30~200
0.10±0.02	0.92±2	≥100	≥30%	≥1*10 ¹⁴	≥140	-30~200
0.12±0.02	0.92±2	≥100	≥30%	≥1*10 ¹⁴	≥140	-30~200

二、颜色

白色, 绿色, 蓝色, 红色。

Color White, green, blue, red

三、电气特性 Electrical characteristics

耐化学腐蚀, 中高频绝缘性能很好, 使用温度范围大, 高温下热收缩率小。
Chemical resistant, high-frequency insulation property is very good, temperature range is wide, and heat shrinkage is small at high temperatures.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类绕包材料
Shielding and wrapping materials

绝缘类绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire retardant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

耐火云母带 Mica Tape for Fire-resistant Cables

[产品说明]: 采用优质金云母纸、合成云母纸为基材, 玻璃纤维布或无碳性高聚物薄膜(如PE)作为单面或双面补强材料, 用有机硅树脂粘合, 经高温烘焙、干燥后, 再分切而成的带状产品。云母带主要用于耐火电缆的芯线与外皮之间, 发挥耐火绝缘功能。

Product Description: with high quality gold mica paper, synthetic mica paper as basic material, glass fiber or carbon-free polymer film (PE) as single-sided or double-sided reinforcement materials, adhesive with silicone resin, through baking, drying and slitting. Mica tape mainly used in fire-resistant cables between core and outer, play a role in resisting and insulating.

[应用方式]: 电缆防火云母带具有优良的耐高温性能和耐燃烧性能, 云母带常态时具有良好的柔软性, 适用于各种耐火电线电缆中主要耐火绝缘层。

Application: Mica Tape for Fire-resistant Cables has excellent heat resistance and flame resistance properties, mica tape has good flexibility normally, and suitable for main fire-resistant insulation with all kinds of fire-resistant wires and cables.

一、主要技术指标 Main specifications

名称 Name	产品规格 Specification	抗张强度 Tensile strength (N/cm)	介电强度 Dielectric strength KV/mm	云母含量 Mica Content %	绝缘电阻 Insulation resistance (MΩ)	基重 Basis weight (g/m ²)	适用耐火 线缆范围 range of application
单面金云母带 Phlogopite Mica Tape single sided	140±5μm	50f	10f	60f	1.0f	185±10	GB12666.6-90B
双面金云母带 Phlogopite Mica Tape double sided	140±5μm	70f	10f	60f	1.0f	210±10	
单面合成云母带 Synthetic Mica Tape single sided	140±5μm	50f	10f	60f	1.0f	185±10	GB12666.6-90A GB12666.6-90B
双面合成云母带 Synthetic Mica Tape double sided	140±5μm	70f	10f	60f	1.0f	210±10	

二、颜色 三合一云母带为金色, 合成云母带为白色

Color Triple mica tape for gold and synthetic mica tape is white.

三、电气特性 Electrical characteristics

金云母带在温度800±50℃、电压600~1000V环境下可保证90分钟内不发生击穿;合成云母带在温度1000±50℃、电压600~1000V环境下可保证90分钟内不发生击穿。产品成份不含石棉、高温下不会产生有毒气体, 具有耐酸碱、抗电晕、抗辐射的特性。成品干爽、无粘连性, 具有良好的弯曲性、柔软性, 在高速绕包电线电缆时抗张强度高。

Phlogopite mica can ensure no breakdown occurs within 90 minutes under the temperature of 800 ± 50℃, voltage 600~1000V; Synthetic mica tape can ensure no breakdown occurs within 90 minutes under the temperature of 1000 ± 50℃, voltage 600~1000V. Ingredients doesn't contain asbestos, doesn't produce toxic gases at high temperature, with acid and alkali, Corona, radiation-resistant characteristics. Finished dry and non-adhesive, and has good bending properties, flexibility, high tensile strength at high wrapped wire and cable.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类包装材料
Shielding and wrapping materials

绝缘带绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire retardant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充材料
Filling materials

包装类材料
Packing materials

电线电缆款料
Wire and Cable materials for extrusion

屏蔽类绕包材料
Shielding and wrapping materials

绝缘带类材料
Insulating and wrapping materials

阻燃类绕包材料
Fire retardant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆辅料
Wire and Cable materials for extrusion

阻燃玻璃纤维带 Fire retardant glass fiber tape

[产品说明]: 采用铝硼硅酸盐玻璃抽制纤维编织而成, 其碱金属化合物不大于0.5%。

Product Description: Using aluminum-borosilicate glass-fiber, the alkali metal compounds of them not more than 0.5%.

[应用方式]: 主要用于交联电缆、船用矿用电缆、光缆、通信电缆、电力电缆等阻燃, 耐炎电缆各部件之间绕包与纵包加工, 可耐温900℃以上, 起隔火作用, 是一种环保型的耐热阻燃材料。

Application: Mainly used for flame resistance and fire resistance with the various parts wrapping processing, such as XLPE cable, marine mining cables, optical cables, communication cables, power cables, can withstand temperature of 900°C or more, play a role in isolating fire, it is an environmentally-friendly heat-resistant and flame retardant material.

一、主要技术指标 Main specifications

产品规格 Specification (mm)	基重 Basis weight (g/m ²)	拉伸强度 Tensile strength (N/30mm)	氧指数 Oxygen index (%)
0.10±0.02	100±20	≥ 200	≥ 50
0.18±0.02	180±20	≥ 400	≥ 50

除以上规格外, 其它可按客户特殊要求单独设计。
In addition to the above specifications, other special requirements can design according to customers

二、颜色 白色

Color White

三、电气特性 Electrical characteristics

性质柔软、平整度好、抗拉力强、带锁边不易折断, 易于电缆绕包, 能在900℃左右不燃烧, 并阻止火焰穿过, 隔绝空气, 保护电缆绝缘层免受燃烧, 燃烧时产生的烟雾量极少。

Nature soft, good flatness, good tensile strength, seam is not easy to break, easy cable wrapping, doesn't burn at about 900°C, and prevented flames through the air, protect the cable insulation from burning, the fog volume is few when burned.

四、分切及包装 Slitting and packaging

分切最小宽度为15mm以上, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 15mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

低烟无卤阻燃带

Low smoke non-halogen fire retardant tape

[产品说明]: 由玻璃纤维布及低烟无卤阻燃材料加工制成。

Product Description: Made of fiberglass fabric and low-smoke halogen-free flame retardant materials.

[应用方式]: 俗称玻纤布涂胶带, 主要用于各类无烟、低烟、洁净的高阻燃电缆、耐火电缆等。

Application: Commonly known as glass fiber fabric coated tape, mainly used for all kinds of high flame retardant cables and fire-resistant cable, with smoke-free, low smoke and cleaning.

一、主要技术指标 Main specifications

产品规格Specification (μm)	150±20	200±20	250±20
单重Unit weight (g/m ²)	180±25	180±25	220±25
拉伸强度Tensile strength (N/25mm)	200 ↑	300 ↑	400 ↑
氧指数Oxygen index (%)	55 ↑	55 ↑	55 ↑
烟密度Smoke Density Dm(NF值)	150 ↓	150 ↓	150 ↓
燃烧时放出的 腐蚀性气体 Corrosive gases in burning	水溶液的PH值 PH value of aqueous	4.3 ↑	4.3 ↑
	导电率 Conductive(μs/mm)	4.0 ↓	4.0 ↓

二、颜色 白色

Color White

三、电气特性 Electrical characteristics

比重比压花无纺布轻40%左右, 成本较低, 且厚度较薄, 柔软性好, 耐高温达280℃。

Weight is lighter 40% than embossing non-woven tape, lower cost, thin thickness, good flexibility, heat resistance up to 280℃.

四、分切及包装 Slitting and packaging

分切最小宽度为15mm以上, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 15mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



Sample
样品

屏蔽类绕包材料
Shielding and wrapping
materials

绝缘带绕包材料
Insulating and wrapping
materials

阻燃类绕包材料
Fire retardant and wrapping
materials

半导电类绕包材料
Semi-conductive wrapping
materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆线材
Wire and Cable materials
for extrusion

阻燃无纺布带

Fire retardant non-woven tape

[产品说明]: 由聚酯纤维经阻燃剂浸渍粘合而成的一种环保阻燃材料。

Product Description: Made of environmentally-friendly flame retardant material of polyester by flame retardant and impregnated.

[应用方式]: 主要用于阻燃电力电缆、阻燃橡胶电缆、阻燃船用电缆、阻燃高温硅橡胶等电缆的阻燃绕包。

Application: Mainly used in flame resistant and wrapping of cable, such as flame retardant power cables, flame retardant rubber cables, flame retardant shipboard cables, flame retardant high temperature silicone rubber cable.

一、主要技术指标 Main specifications

产品规格 Specification (mm)	基重 Basis weight (g/m ²)	拉伸强度 Tensile strength (N/30mm)	断裂伸长率 Elongation at break (%)	氧指数 Oxygen index (%)
0.12±0.03	120±20	≥70	≥10	≥30
0.20±0.03	220±20	≥150	≥10	≥30

除以上规格外, 其它可按客户特殊要求单独设计。
In addition to the above specifications, other special requirements can design according to customers

二、颜色 白色

Color White

三、电气特性 Electrical characteristics

阻燃性好, 拉伸强度大, 无毒无腐蚀性, 不含卤, 遇明火时不起燃烧, 烟密度低。

Flame retardant, good tensile strength, no toxic, no corrosive, no halogen, not burning when fire, low smoke density.

四、分切及包装 Slitting and packaging

分切最小宽度为10mm以上, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 10mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类绕包材料
Shielding and wrapping materials

绝缘带类绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire retardant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆辅料
Wire and Cable materials for extrusion

电缆高温分色带

High temperature color distinguishing ribbons

[产品说明]: 以PET为基材加工而成, 光滑、无皱折、无扭结、无孔洞、无裂口、无杂质、边缘整齐。

Product Description: Based on PET material, smooth, wrinkle-free, no kinks, no holes, no nicks, no impurities, edge neatly.

[应用方式]: 主要用于电力电缆、交联电缆分色用, 取代绝缘或护套中的色母粒, 可节约大量的成本。

Application: Mainly used for power cables, XLPE cables, replace the master batch of insulating or sheathing, can save a lot of costs.

一、主要技术指标 Main specifications

宽度 Width (mm)	产品规格 Specification (μm)	拉伸强度 Tensile strength (Mpa)	伸长率 Elongation (%)	热收缩率 Heat shrinkage (%)	瞬间耐温 Instantaneous temperature ($^{\circ}\text{C}$)
2.0 \pm 0.5	40 \pm 5	165 \uparrow	15 \uparrow	10 \downarrow	180-230
3.0 \pm 0.5	40 \pm 5	165 \uparrow	15 \uparrow	10 \downarrow	180
4.5 \pm 0.5	40 \pm 5	165 \uparrow	15 \uparrow	10 \downarrow	180
7.0 \pm 0.5	40 \pm 5	165 \uparrow	15 \uparrow	10 \downarrow	180

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 红色、黄色、蓝色、绿色、黑色及其它两种颜色组合的双色。

Color Red, yellow, blue, green, black and other two colors combination.

三、电气特性 Electrical characteristics

可承受瞬间230 $^{\circ}\text{C}$ 高温, 可在挤出护套时直接穿进机头随塑料一同从机头拉出来, 在通过硫化管道时不褪色。

Affordable instant 230 $^{\circ}\text{C}$ high temperature extruded sheath directly into the nose from the head along with the plastic out by vulcanization pipe and does not fade.

四、分切及包装 Slitting and packaging

塑料轴装, 内径25mm, 外径120mm, 高125mm, 纸箱包装。

Plastic shaft, inner diameter is 25mm, outer diameter is 120mm, the high is 125mm, carton packaging.



Sample
样品

屏蔽类绕包材料
Shielding and wrapping
materials

绝缘带绕包材料
Insulating and wrapping
materials

阻燃类绕包材料
Fire retardant and wrapping
materials

半导电类绕包材料
Semi-conductive wrapping
materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆胶料
Wire and Cable materials
for extrusion

聚酰亚胺薄膜带 Polyimide film tape

[产品说明]: 具有很高的绝缘性能和耐性能, 该聚酰亚胺薄膜是用流延法生产的, 它具有耐高温, 耐辐射个优质的介电性能。聚酰亚胺F46薄膜带由聚酰亚胺薄膜单面或双面涂以F46 (聚全氟代乙丙烯乳液) 高温烘培而成。

Product Description: Good insulation and high performance, the polyimide film is produced by casting method, which are high temperature resistant, the dielectric properties of the radiation resistance. Polyimide film F46 tape made of polyimide film single sided or double sided coated F46 (Poly per fluorinated ethylene propylene emulsion) form with baking in high temperature.

[应用方式]: 适用于高温电子线, 航空导线, 电器绝缘以及其他用途的电工绝缘材料, 可根据客户要求分切不同的盘带。

Application: Suitable for electrical insulation materials in high temperature electronic wire, aerial wires, electrical insulation and other usage, can be slitting different dribbling according to customer's requirements.

一、主要技术指标 Main specifications

产品规格 Specification (μm)	伸长率 Elongation (%)	抗张强度 Tensile strength (Mpa)	单位重量 Unit weight (g/m^2)	表面电阻值 Surface resistance ($\text{M}\Omega$)	工频电气强度 Electrical strength (Mv/m)
25 \pm 2	35 \uparrow	115 \uparrow	3.6	1.0 \uparrow	150 \uparrow
40 \pm 2	35 \uparrow	115 \uparrow	5.8	1.0 \uparrow	130 \uparrow
50 \pm 2	35 \uparrow	115 \uparrow	7.2	1.0 \uparrow	130 \uparrow
75 \pm 2	35 \uparrow	115 \uparrow	10.8	1.0 \uparrow	110 \uparrow
100 \pm 3	35 \uparrow	115 \uparrow	14.4	1.0 \uparrow	110 \uparrow

除以上规格外, 其它可按客户特殊要求单独设计。
In addition to the above specifications, other special requirements can design according to customers

二、颜色 金黄色

Color Golden yellow

三、电气特性 Electrical characteristics

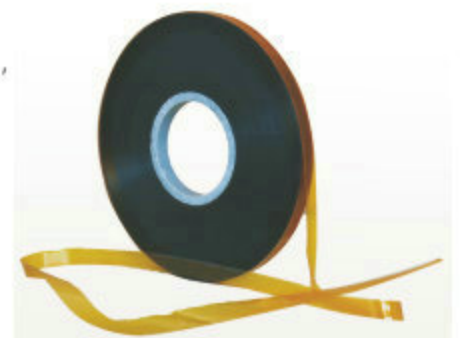
具有优良的耐高、低温性、电气绝缘性、耐辐射性, 以及高温自粘密封的特点, 可作电线、电缆、电磁线等的绝缘层。

With excellent resistance to high and low temperature resistance, electrical insulation, resistance to radiation, as well as self adhesive sealing in the high temperature, can use as insulation layer in wires, cables, electromagnetic wire.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire retardant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

PTFE四氟薄膜带

PTFE film tape

[产品说明]: F4四氟薄膜带,又叫纯特氟龙胶带,特氟龙薄膜胶带,纯铁氟龙粘胶带,聚四氟乙烯薄膜胶带,PTFE薄膜带,PTFE薄膜胶带。是一种低密度、标准级、可烧结的多微孔薄膜带。

Product Description: F4 PTFE tape, also called pure Teflon tape, Teflon film tape, PTFE film tape. It is a micro porous film tape with low density, standard grade and sintered.

[应用方式]: 主要用于航空、航天、军工、雷达、电子通讯等领域的RF电缆、微波通信电缆、航空导线等的绕包绝缘层。

Application: Mainly used in RF cables, microwave communications cables, aerial wire wrapping and insulation layer in aviation, aerospace, military, radar, electronic communications and other areas.

一、主要技术指标 Main specifications

产品规格 Specification (μm)	常用密度 Density (g/cm^2)	抗张强度 Tensile strength (Mpa)	伸长率 Elongation (%)
35 \pm 5	0.0084	5.52 \uparrow	15 \uparrow
50 \pm 5	0.0119	5.52 \uparrow	15 \uparrow
100 \pm 5	0.0239	7.65 \uparrow	15 \uparrow
150 \pm 5	0.0358	9.78 \uparrow	15 \uparrow
200 \pm 5	0.4777	11.72 \uparrow	15 \uparrow

除以上规格外,其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 白色或其它颜色

Color White or other color

三、电气特性 Electrical characteristics

耐高低温,耐腐蚀性,低摩擦,耐磨损性,抗湿性,高绝缘。PTFE薄膜带经拉伸产生微孔,用它做导线绝缘层耐温等级高,柔软性好,屏蔽性能好,通讯频率高衰减低,热膨胀系数小。

High and low temperature resistance, corrosion resistance, low friction, wears resistance, moisture

resistance, high insulation. PTFE film tape produce micro porous by

stretching, temperature resistance rating is high if use it as conductive wire insulation layer, good softness, good shielding property, low attenuation, high frequency communications, low coefficient of-thermal expansion.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm,内孔大小为52mm或76mm;收卷最大外径为800mm,纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类绕包材料
Shielding and wrapping materials

绝缘类绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire retardant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆胶料
Wire and Cable materials for extrusion

半导电无纺布带 Semi-conductive non-woven tape

[产品说明]: 由100%聚酯纤维布, 经半导电胶浸渍烘干成型, 纤维经过充分梳理, 纵向强度高, 电阻小。
Product Description: Made of 100% polyester fiber fabric, semi-conductive adhesive impregnated dry fiber after fully carding, high longitudinal strength, low resistance.
[应用方式]: 适合用于电缆导体和绝缘线芯外, 起绑扎、隔离作用, 也可用于电缆金属层下, 起屏蔽作用。
Application: Suitable for cable conductors and out core of insulation wire, lashing, isolation can also be used for metal layer of cable, with shielding effect.

一、主要技术指标 Main specifications

产品规格 Specification (μm)	基重 Basis weight (g/m^2)	拉伸强度 Tensile strength (N/cm)	伸长率 Elongation (%)	表面电阻 Surface resistance (Ω)	体积电阻 Volume resistance ($\Omega.\text{cm}$)	瞬间稳定性 Short-term stability ($^{\circ}\text{C}$)	长期稳定性 Long-term stability ($^{\circ}\text{C}$)
100 \pm 20	35 \pm 10	20 \uparrow	10 \uparrow	1500 \downarrow	1*10 ⁶ \downarrow	230	90
150 \pm 20	50 \pm 10	30 \uparrow	12 \uparrow	1500 \downarrow	1*10 ⁶ \downarrow	230	90
200 \pm 30	75 \pm 10	43 \uparrow	12 \uparrow	1500 \downarrow	1*10 ⁶ \downarrow	230	90
250 \pm 40	90 \pm 10	46 \uparrow	12 \uparrow	1500 \downarrow	1*10 ⁶ \downarrow	230	90

除以上规格外, 其它可按客户特殊要求单独设计。
In addition to the above specifications, other special requirements can design according to customers

二、颜色 黑色
Color Black

三、电气特性 Electrical characteristics

电阻小, 具有半导电特性, 能有效弱化电场强度。机械强度高, 易于各种电力电缆绕包和纵包加工。产品耐热性好, 瞬间耐温高, 电缆可在瞬间高温时保持性能稳定。
Little resistance, with semi-conducting characteristics, can weaken the electric field strength effectively. Not deformed easily when in external force, used for wrapping of all kinds of power cables. Good heat resistant, high temperature resistance in short-term, cable can keep stable at high temperature.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。
Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire resistant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

半导电尼龙带 Semi-conductive nylon tape

[产品说明]: 由尼龙带经半导电胶浸渍烘干成型, 纤维经过充分梳理, 纵向强度高, 电阻小。

Product Description: Made of nylon tape, via semi-conductive adhesive impregnated dry and forming, fiber after fully carding, high longitudinal strength, low resistance.

[应用方式]: 适合用于高压交联聚乙烯电缆、高压或超高压电力电缆、矿用等电缆的导体绕包和芯线屏蔽、绑扎。

Application: Suitable for wrapping and core wire for shielding and banding, such as high voltage XLPE polyethylene cables, high or extra high voltage power cable, mining cable.

一、主要技术指标 Main specifications

产品规格 Specification (μm)	基重 Basis weight (g/m^2)	拉伸强度 Tensile strength (N/cm)	伸长率 Elongation (%)	表面电阻 Surface resistance (Ω)	体积电阻 Volume resistance ($\Omega\cdot\text{cm}$)	瞬间稳定性 Short-term stability ($^{\circ}\text{C}$)	长期稳定性 Long-term stability ($^{\circ}\text{C}$)
100 \pm 20	90 \pm 10	120 \uparrow	25 \uparrow	1000 \downarrow	1 \times 10 ⁵ \downarrow	210	145
120 \pm 20	100 \pm 10	140 \uparrow	40 \uparrow	1000 \downarrow	1 \times 10 ⁵ \downarrow	210	145
140 \pm 20	110 \pm 10	150 \uparrow	40 \uparrow	1000 \downarrow	1 \times 10 ⁵ \downarrow	210	145

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 黑色

Color Black

三、电气特性 Electrical characteristics

电阻小, 具有半导电特性, 能有效弱化电场强度, 机械强度高, 易于各种电力电缆的导体或纤芯的绑扎, 产品耐热性好, 瞬间耐高温, 电缆可在瞬间高温时保持性能稳定。

Little resistance, with semi-conducting characteristics, can weaken the electric field strength effectively. Not deformed easily when in external force, used for wrapping of all kinds of power cables. Good heat resistant, high temperature resistance in short-term, cable can keep stable at high temperature.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



Sample
样品

屏蔽类绕包材料
Shielding and wrapping materials

绝缘类绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire resistant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆胶料
Wire and cable materials for extrusion

半导电阻水带

Semi-conductive water blocking tape

[产品说明]: 由阻水带经半导电胶浸渍烘干成型, 纤维经过充分梳理, 纵向强度高, 电阻小。

Product Description: Made of water blocking tape, via semi-conductive adhesive impregnated dry and forming, fiber after fully carding, high longitudinal strength, low resistance.

[应用方式]: 适合用于防水型中、高、超高压电力电缆及其它有屏蔽要求的控制、通信、信号和仪器仪表电缆的半导电阻水层, 起阻水, 缓冲和屏蔽作用。

Application: Suitable for waterproof type, medium, high, extra high voltage power cables and other control and instrumentation cables, communications, signals of semi-conducting water block layer with shielding requirements, with water block, cushioning and shielding effects.

一、主要技术指标 Main specifications

产品规格 Specification (μm)	基重 Basis weight (g/m^2)	拉伸强度 Tensile strength (N/cm)	伸长率 Elongation (%)	膨胀速率 Swelling rate ($\text{mm}/\text{h}^2/\text{min}$)	膨胀高 Swelling height ($\text{mm}/3\text{min}$)	表面电阻 Surface resistance (Ω)	体积电阻 Volume resistance ($\Omega\cdot\text{cm}$)	瞬间稳定性 Short-term stability ($^{\circ}\text{C}$)	长期稳定性 Long-term stability ($^{\circ}\text{C}$)	含水率 Water content (%)
300 \pm 30	120 \pm 10	30 \uparrow	12 \uparrow	8 \uparrow	12 \uparrow	1500 \downarrow	1 \cdot 10 6 \downarrow	230	90	9 \downarrow
400 \pm 30	150 \pm 10	40 \uparrow	12 \uparrow	10 \uparrow	14 \uparrow	1500 \downarrow	1 \cdot 10 6 \downarrow	230	90	9 \downarrow
500 \pm 30	170 \pm 15	50 \uparrow	12 \uparrow	12 \uparrow	16 \uparrow	1500 \downarrow	1 \cdot 10 6 \downarrow	230	90	9 \downarrow
600 \pm 40	190 \pm 20	60 \uparrow	12 \uparrow	14 \uparrow	18 \uparrow	1500 \downarrow	1 \cdot 10 6 \downarrow	230	90	9 \downarrow

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 黑色

Color Black

三、电气特性 Electrical characteristics

半导电阻水带具有吸湿性强、膨胀率大、膨胀速率快的特点, 产品电阻小, 具有半导电特性, 能有效缓冲、弱化电场 强度.机械强度高, 易于各种电缆绕包和纵包加工, 产品耐热性好, 瞬间耐高温, 电缆可在瞬间高温时保持性能稳定。

Semi-conductive water blocking tape with high moisture, large expansion rate, and fast expansion rate features. Little resistance, with semi-conducting characteristics, can weaken the electric field strength effectively. Not deformed easily when in external force, used for wrapping of all kinds of power cables. Good heat resistant, high temperature resistance in short-term, cable can keep stable at high temperature.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类绕包材料
Shielding and wrapping materials

绝缘带类绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire retardant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆胶料
Wire and Cable materials for extrusion

半导电棉布带

Semi-conductive cotton tape

[产品说明]: 由棉布带经半导电胶浸渍烘干成型, 纤维经过充分梳理, 纵向强度高, 电阻小。

Product Description: Made of cotton tape, via semi-conductive adhesive impregnated dry and forming, fiber after fully carding, high longitudinal strength, low resistance.

[应用方式]: 适合用于矿用电缆和其它电缆的绕包和屏蔽作用。

Application: Suitable for wrapping and shielding of cables for mine and other cables.

一、主要技术指标 Main specifications

产品规格 Specification (μm)	基重 Basis weight (g/m^2)	拉伸强度 Tensile strength (N/cm)	伸长率 Elongation (%)	表面电阻 Surface resistance (Ω)	体积电阻 Volume resistance ($\Omega.\text{cm}$)	瞬间稳定性 Short-term stability ($^{\circ}\text{C}$)	长期稳定性 Long-term stability ($^{\circ}\text{C}$)
100 \pm 30	90 \pm 10	100 \uparrow	20 \uparrow	1500 \downarrow	1 $\times 10^6$ \downarrow	230	145
120 \pm 30	100 \pm 10	120 \uparrow	25 \uparrow	1500 \downarrow	1 $\times 10^6$ \downarrow	230	145
140 \pm 30	110 \pm 105	140 \uparrow	25 \uparrow	1500 \downarrow	1 $\times 10^6$ \downarrow	230	145

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 黑色

Color Black

三、电气特性 Electrical characteristics

产品电阻小, 具有半导电特性, 易于各种电缆绕包和纵包加工。

Little resistance, with semi-conducting characteristics, used for wrapping of all kinds of power cables.

四、分切及包装 Slitting and packaging

分切最小宽度为5mm, 内孔大小为52mm或76mm; 收卷最大外径为800mm, 纸箱包装。

Slitting minimum width of 5mm, bore size of 52mm or 76mm; the winding maximum outer diameter of 800mm, carton packaging.



样品
Sample

屏蔽类包材料
Shielding and wrapping materials

绝缘类包材料
Insulating and wrapping materials

阻燃类包材料
Fire resistant and wrapping materials

半导电类包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆材料
Wire and Cable materials for extrusion

高强涤纶丝 High tenacity polyester yarn

[产品说明]: 又叫特多龙丝、高强丝、光缆聚酯扎纱、撕裂线、聚酯撕裂绳, 本产品是以精对苯二甲酸(PTA) 或对苯二甲酸二甲酯(DMT)和乙二醇(MEG)为原料, 经酯化或酯交换和缩聚反应而制得的成纤高聚物聚对苯二甲酸乙二醇酯(PET), 经纺丝和后处理制成的聚酯纤维。

Product Description: Also called Tetolon yarn, high tenacity yarn, cable polyester tie yarn, tear line, and polyester tear rope, this products based on terephthalate (PTA) or terephthalate dim ethyl ester (DMT) and ethylene glycol (MEG) for raw materials, after etherify or ester Exchange and condensation reaction and form fiber polymer terephthalate glycol ester (PET), made of polyester fiber by spinning and processing.

[应用方式]: 主要用于电线电缆和光缆的填充, 使线缆可以达到真圆, 同时可以增加线缆抗拉强度与弯曲性能; 还可以用于线缆外被编织。

Application: Mainly used for filling in wire and cable and optic cable, cable can reach really round, also can increase the tensile strength and bending properties of cables; can also be used in braiding outside the cable.

一、主要技术指标 Main specifications

1、普通聚酯扎纱(撕裂线) Common polyester tie yarn (tear line)

产品规格 Specification	纱线密度 Yarn density (Dtex)	拉断力 Pulling strength (kgf)	伸长率 Elongation (%)	基重 Basis weight (M/kg)	熔点 Melting point (°C)
150D	165	0.90	10↑	58000	265
250D	275	1.50	10↑	34000	265
500D	550	3.00	10↑	17000	265
1000D	1110	6.00	10↑	8500	265
1500D	1670	6.40	10↑	6500	265
2000D	2200	9.60	10↑	4500	265
2500D	2750	10.0	10↑	3600	265
3000D	3300	12.00	10↑	2800	265

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

2、并捻聚酯扎纱(撕裂绳) Twisting polyester tie yarn (tear rope)

产品规格 Specification	纱线密度 Yarn density (Dtex)	拉断力 Pulling strength (kgf)	伸长率 Elongation (%)	基重 Basis weight (M/kg)	熔点 Melting point (°C)
150D×3	165×3	2.70	10↑	18500	265
250D×3	275×3	4.50	10↑	11100	265
500D×3	550×3	15.00	10↑	5550	265
1000D×3	1110×3	18.00	10↑	2800	265
2000D×3	2200×3	27.00	10↑	1385	265
3000D×3	3300×3	36.00	10↑	930	265

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 白色、黄色、红色、黑色、蓝色、绿色等

Color White, yellow, red, black, blue, green etc.

三、电气特性 Electrical characteristics

重量轻、拉力强劲、耐热性好、吸水性较低、电绝缘性能稳定、耐腐、耐霉、耐蛀、无毒环保。

Light weight, tensile strength, good heat resistance, low water absorption, stable electrical insulation properties, corrosion-resistant, mould-resistant, resistant to decay, drug-free and environmental.

四、包装方式 Packaging

纸箱包装, 每箱24KG。Carton package, 24KG per package.



样品
Sample

屏蔽及包扎材料
Shielding and wrapping materials

绝缘带包扎材料
Insulating and wrapping materials

阻燃类绿色材料
Fire resistant and wrapping materials

半导电类绿色材料
Semi-conductive wrapping materials

填充材料
Filling materials

包装材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

高强尼龙丝 High tenacity Nylon yarn

[产品说明]:高强尼龙丝分单丝与合股线, 从外观看与高强涤纶丝非常相似, 但它们是两种不同的材质, 在线缆行业使用中很容易混淆。高强尼龙丝的最大优点是密度小、结实耐磨、耐疲劳破坏, 化学稳定性很好。

Product Description: High strength nylon monofilament and twine are very similar to those of high strength polyester filaments, but they are two different materials, which are easily confused in the online cable industry. The biggest advantages of high tenacity nylon wire are small density, strong wear, fatigue resistance and good chemical stability.

[应用方式]:主要用于铜丝或漆包线的绞合填充, 使导体绞合的更加圆整, 同时增强线材的摇摆次数, 广泛用于耳机线, 数据线, 电话线, 网络线, 鼠标线等电脑周边线材。

Application: Mainly used for copper wire or enameled wire stranded conductor stranded more filling, make round, while enhancing the wire swing times, widely used in wire headset, data cable, telephone lines, network lines, mouse and other computer peripheral wire line.

一、主要技术指标 Main specifications

产品规格 Specification	纱线密度 Yarn density (Dtex)	抗拉强度 Tenacity (cN/Dtex)	伸长率 Elongation (%)	干热收缩 H.A.S (%)	熔点 Melting point (°C)
150D	165	≥8.0	22.0 ↓	4.5	252
250D	275	≥8.2	22.0 ↓	4.5	252
500D	550	≥8.0	19.0 ↓	5.5	252
1000D	1110	≥8.2	19.0 ↓	5.5	252
1500D	1670	≥8.0	19.0 ↓	5.5	252
2000D	2200	≥8.2	19.0 ↓	5.5	252
2500D	2750	≥8.0	19.0 ↓	5.5	252
3000D	3300	≥8.0	19.0 ↓	5.5	252

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色: 白色、黄色、红色、黑色、蓝色、绿色等

Color: White, yellow, red, black, blue, green etc.

三、电气特性: Electrical characteristics:

重量轻、拉力强劲、耐碱不耐酸、耐光性也不好、强度没有涤纶高, 也不耐热。

Light weight, strong tensile, alkali resistance, non acid, light fastness, strength, no polyester high, nor heat.

四、包装方式: Packaging:

纸箱包装, 每箱24KG。

Carton package, 24KG per package.



样品
Sample

屏蔽类包装材料
Shielding and wrapping materials

绝缘带绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire resistant and wrapping materials

半导电类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆线材
Wire and Cable materials for extrusion

阻水纱

Water Blocking Yarn

[产品说明]: 阻水纱是由工业涤纶长丝、高分子膨胀吸水树脂和粘合剂组成。

Product Description: The water blocking yarn consists of industrial polyester filament, macromolecule swelling water absorbing tree ester and adhesive.

[应用方式]: 主要用于光缆、通信电缆、扇形线芯电力电缆, 海底电缆等各部件之间的阻水填充作用。

Application: It is mainly used for water blocking and filling between optical fiber cable, communication cable, fan-shaped wire core, power cable, submarine cable and other parts.

一、主要技术指标 Main specifications

产品规格 Specification	纱线密度 Yarn density (Dtex)	基重 Basis weight (m/kg)	断裂强度 Breaking strength (N)	伸长率 Elongation (%)	膨胀速率 Swelling rate (ml/g/1st min)	长期耐温膨胀率 Long-term thermal expansion rate (150°C, 24h, ml/g)	瞬间耐温膨胀率 Transient thermal expansion rate (230°C, 10min, ml/g)	含水率 Melting point (150°C, 1min, %)
700D	780	12857	≥50	15 ↓	≥60	≥65	≥65	9 ↓
1500D	1670	6000	≥50	15 ↓	≥60	≥65	≥65	9 ↓
2000D	2220	4500	≥60	15 ↓	≥60	≥65	≥65	9 ↓
2500D	2780	3600	≥70	15 ↓	≥60	≥65	≥65	9 ↓
3000D	3330	3000	≥100	15 ↓	≥60	≥65	≥65	9 ↓
4500D	5000	2000	≥150	15 ↓	≥55	≥65	≥65	9 ↓
6000D	6670	1500	≥200	15 ↓	≥50	≥55	≥55	9 ↓
9000D	10000	1000	≥250	15 ↓	≥45	≥55	≥55	9 ↓
18000D	20000	500	≥300	15 ↓	≥40	≥50	≥50	9 ↓

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色: 白色

Color: White

三、电气特性: Electrical characteristics:

阻水组具有良好的吸水性能, 抗拉力强, 无腐蚀性, 并且不含酸碱。

Water blocking yarn has good water absorption performance, strong tensile resistance, no corrosion, and no acid and alkali.

四、包装方式: Packaging:

纸箱包装, 每箱24KG。

Carton package, 24KG per package.



样品
Sample

电缆麻绳 Cable filling yarn

[产品说明]: 本产为电线电缆制造专用填充麻绳, 能使电缆坚实牢固、柔韧度强。麻绳分为单股和多股, 可根据客户要求加工, 加工的捻度大小可调, 拉力强度高, 电线电缆填充和增加抗拉力使用, 有其它要求可相应加工。

Product Description: This product is mainly used for filling in wire and cable, solid and strong flexibility. Hemp rope is divided into single strand and multi strands, can be processed according to customer's requirements, twisting size can adjustable, high tensile strength, for filling and increasing tension of cable, if have other requirements, also can process.

[应用方式]: 主要用于电线电缆填充、钢丝绳芯、线球、工艺品、捆扎、纺织布等行业等。

Application: Mainly used for filling in wire and cable, steel core wire skein, handicrafts, packing, textile and other industries.

一、主要技术指标 Main specifications

型号 Model	品称 Item	规格 Specification	线径 Wire diameter
MS-001	单股 Single strand	0.8-6.0支 0.8-6.0 Piece	0.5-2mm
MS-002	二合股 2 strand	0.8-6.0支/2 0.8-6.0 Piece/2	1-2mm
MS-003	三合股 3 strand	0.8-6.0支/3 0.8-6.0 Piece/3	2-4mm
MS-004	四合股 4 strand	0.8-6.0支/4 0.8-6.0 Piece/4	2-5mm
MS-00X	多合股 X strand	0.8-6.0支/多 0.8-6.0 Piece/X	4-20mm

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 黄色

Color Yellow

三、电气特性 Electrical characteristics

本产品特点无麻皮、无杂质、条干均匀度好、强力好、不容易扯断、整卷无一个接头, 提高电线电缆生产效率。

This product with no bark, no impurities, evenness degree of good, strong and not easy to break, the whole roll without a joint, improve the efficiency of wire and cable production.

四、分切及包装 Slitting and packaging

编织袋或纸箱包装。

Woven bag or carton packaging



Sample
样品

屏蔽类包装材料
Shielding and wrapping materials

绝缘缠绕包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire retardant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆原料
Wire and Cable materials for extrusion

棉线 Cotton thread

[产品说明]: 本产品主要由棉纱和化纤组成, 用于电线电缆填充, 也可用于橡胶电缆外层纺编织。
Product Description: This product is mainly made up of cotton and chemical fiber, used for filling in wire and cable, can also be used for braiding in rubber cable.

[应用方式]: 主要作为填充, 使线缆可以达到真圆, 同时可以增加线缆的弯曲性能。
Application: Mainly as a filler to make cable can meet true circle, at the same time can increase the bending properties of the cable.

一、主要技术指标 Main specifications

产品规格 Specification	断裂强度 Breaking strength (kg/0.5M)	比重 (g/m) 公差15% proportion (g/m) tolerance 15%	断裂伸长率 Elongation at break (%)
5支/1股 5 piece/1 strand	≥2.5	0.118±0.017	≥10
5支/5股 5 piece/5 strand	≥2.5	0.590±0.088	≥10
5支/6股 5 piece/6 strand	≥2.5	0.708±0.106	≥10
5支/10股 5 piece/10 strand	≥2.5	1.180±0.177	≥10
7支/1股 7 piece/1 strand	≥2.5	0.084±0.012	≥10
7支/5股 7 piece/5 strand	≥2.5	0.420±0.063	≥10
7支/6股 7 piece/6 strand	≥2.5	0.504±0.075	≥10
7支/10股 7 piece/10 strand	≥2.5	0.840±0.126	≥10
10支/1股 10 piece/1 strand	≥2.5	0.059±0.008	≥10
10支/5股 10 piece/5 strand	≥2.5	0.295±0.044	≥10
10支/6股 10 piece/6 strand	≥2.5	0.354±0.053	≥10
10支/10股 10 piece/10 strand	≥2.5	0.590±0.088	≥10



二、颜色 本色白, 漂白, 黑色和各种颜色

Color White, bleaching, black and other color

三、棉线特性 Characteristics

柔软性佳、重量轻、拉力好、耐温、无毒环保。本公司可根据客户之要求进行染色和绞合。

Good softness, light weight, good tension, temperature resistance, drug-free and environmental. Our company can dyeing and stranded according to customer's requirements.

四、包装方式 Packaging

编织袋或纸箱包装。每包20-25KG。

Woven bag or carton packaging, 20-25 kg per bag.

样品
Sample

屏蔽类包材料
Shielding and wrapping materials

绝缘类包材料
Insulating and wrapping materials

阻燃类包材料
Fire resistant and wrapping materials

半导电类包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆材料
Wire and Cable materials for extrusion

芳纶丝

Aramid yarn/Kevlar

[产品说明]: 又叫防弹丝或凯芙拉Kevlar, 是一种新型高科技合成纤维, 具有超高强度、高模量和耐高温、耐酸耐碱、重量轻等优良性能, 其强度是钢丝的5~6倍, 模量为钢丝或玻璃纤维的2~3倍, 韧性是钢丝的2倍, 而重量仅为钢丝的1/5左右, 在560度的温度下, 不分解, 不融化。它具有良好的绝缘性和抗老化性能, 具有很长的生命周期。芳纶的发现, 被认为是材料界一个非常重要的历史进程。

Product Description: Also called bulletproof yarn or Kevlar, is a new high-tech synthetic, has ultra-high strength, high modulus volume, resistance high temperature, acid and alkali resistant, and light weight, such as 5 ~ 6 times that of steel wire on its strength, modulus of steel wire or fiber glass 2 ~ 3 times, toughness is 2 times of wire, and weight is only about 1/5 of the steel wire, under the temperature of 560°C, Won't to resolve and melt. It has good insulation properties and anti-aging properties, with a long life cycle. Aramid finds, is considered to be a very important historical material processes.

[应用方式]: 用于高性能电线电缆、光纤光缆、海缆等

Application: Used in high-performance wire and cable, optical cable and submarine cables etc.

一、主要技术指标 Main specifications

产品规格 Specification	断裂强度 Breaking strength cN/dtex	密度 Density (g/cm ³)	热收缩率 Heat shrinkage (%)	伸长率 Elongation (%)
150D	20.92↑	1.44-1.67	2.0↓	3.55
250D	20.92↑	1.44-1.67	2.0↓	3.55
300D	20.92↑	1.44-1.67	2.0↓	3.55
500D	20.92↑	1.44-1.67	2.0↓	3.55
1000D	20.92↑	1.44-1.67	2.0↓	3.55
1500D	20.92↑	1.44-1.67	2.0↓	3.55

除以上规格外, 其它可按客户特殊要求单独设计。
In addition to the above specifications, other special requirements can design according to customers

二、颜色 黄色

Color Yellow

三、电气特性 Electrical characteristics

抗拉性能是所有纤维中最好的, 耐高温, 软化点367-370°C, 长期使用温度为200°C以上, 防火性能好, 在火焰中不熔融, 离开火源有自熄性, 抗切割, 热稳定性好, 在高温下不熔, 玻璃化转变温度约345°C; 拉伸性能好, 弯曲性能一般, 打结易形成毛刺; 耐普通有机溶剂及盐类溶液, 耐强酸、强碱性差; 对紫外线敏感, 长时间暴露在阳光下, 强度衰减约40%;

Anti-pulled properties is the best in all fiber, resistance high temperature, softening points is 367-370 °C, long-term using temperature for 200 °C above, fireproof properties is good, not melting in the flame, has self-extinguishing, anti-cutting, heat stability when left fire, not melt in high temperature, glass of change temperature about 345 °C; good stretch properties, general bending properties, easy formed Burr if knot; resistance general organic solvent and the salts solution, resistance strong acid and alkaline is poor; on UV sensitive when exposed in sunshine for long time, strength attenuation about 40% ;

四、分切及包装 Slitting and packaging

编织袋或纸箱包装。每箱24KG.

Woven bag or carton packaging, 24kg per bag.



样品
Sample

屏蔽类包装材料
Shielding and wrapping materials

绝缘带绕包材料
Insulating and wrapping materials

阻燃类绕包材料
Fire retardant and wrapping materials

半导体类绕包材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆原料
Wire and Cable materials for extrusion

碳纤维丝 Carbon fiber yarn

[产品说明]: 碳纤维长丝它不仅具有碳材料的固有其征特性, 又兼具纺织纤维的柔软可加工性, 是新一代增强纤维。碳纤维是一种力学性能优异的新材料, 它的比重不到钢的1/4, 抗拉强度是钢的7~9倍以上, 抗拉弹性模量亦高于钢。

Product Description: Carbon fiber yarn not only with the intrinsic properties of the material, soft processing of textile fibers, is a new generation of reinforcement fibers. Carbon fiber is a new material with excellent mechanical properties and 1/4 of its specific gravity less than steel, tensile strength is 7~9 times more than steel, tensile modulus of elasticity than steel.

[应用方式]: 广泛用于民用, 军用, 建筑, 化工, 工业, 航天以及超级跑车领域。碳纤维可加工成织物、毡、席、带、纸及其他材料。碳纤维在土木建筑领域: 碳纤维也应用在工业与民用建筑物、铁路公路桥梁、隧道、烟囱、塔结构等的加固补强。

Application: Widely used in civil, military, construction, chemical, industrial, aerospace and super sports fields. Carbon fiber can be processed into fabric, carpet, seats, Ribbon, paper and other materials. Carbon fiber in the field of construction: carbon fiber is also used in structural reinforcement in industrial and civil construction, railway and highway bridges, tunnels, chimneys, and towers.

一、主要技术指标 Main specifications

产品规格 Specification	拉伸强度 Tensile strength (Mpa)	密度 Density (g/cm ³)	电阻 Resistance (Ω·cm)	伸长率 Elongation (%)
1K	2740	1.80±0.04	1.0*10 ⁻³	1.0
3K	3530	1.80±0.04	1.0*10	1.0
6K	4210	1.80±0.04	1.0*10	1.0
12K	4410	1.80±0.04	1.0*10	1.0
24K	4900	1.80±0.04	1.0*10	1.0
48K	5490	1.80±0.04	1.0*10	1.0

除以上规格外, 其它可按客户特殊要求单独设计。
In addition to the above specifications, other special requirements can design according to customers



二、颜色 黑色

Color Black

三、铜箔麦拉的电气特性 Electrical characteristics

抗拉性能是所有纤维中最好的, 耐高温, 软化点367-370°C, 长期使用温度为200度°C以上, 防火性能好, 在火焰中不熔融, 离开火源有自熄性。抗切割, 热稳定性好, 在高温下不熔, 玻璃化转变温度约345°C; 拉伸性能好, 弯曲性能一般, 打结易形成毛刺; 耐普通有机溶剂及盐类溶液, 耐强酸、强碱性差; 对紫外线敏感, 长时间暴露在阳光下, 强度衰减约40%。

Anti-pulled properties is the best in all fiber, resistance high temperature, softening points is 367-370 °C, long-term using temperature for 200 °C above, fireproof properties is good, not melting in the flame, has self-extinguishing, anti-cutting, heat stability when left fire, not melt in high temperature, glass of change temperature about 345°C; good stretch properties, general bending properties, easy formed Burr if knot: resistance general organic solvent and the salts solution, resistance strong acid and alkaline is poor; on UV sensitive when exposed in sunshine for long time, strength attenuation about 40%;

四、分切及包装 Slitting and packaging

编织袋或纸箱包装。每箱24KG。

Woven bag or carton packaging, 24kg per bag.

样品
Sample

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire resistant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

牛皮纸绳 Kraft twine

[产品说明]: 采用优质牛皮纸制成, 可根据客户的拉断力的要求添加高强涤纶丝在里面。

Product Description: Made of high quality Kraft paper, can fill high strong polyester on the inside according to customers the requirement.

[应用方式]: 主要用于电线电缆填充、钢丝绳芯、购物袋、工艺品、捆扎、纺织布等行业等。

Application: Mainly used for filling, steel wire core, shopping bags, handicrafts, packing, textile and other industries.

一、主要技术指标 Main specifications

产品直径 Diameter (mm)	每公斤长度 Length/KG (M)	每卷重量 Weight/roll (kg)
0.8	1100	2~5
1.5	800	2~5
2.0	360	2~8
2.5	280	2~8
3.0	200	2~8

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 黄色

Color Yellow

三、电气特性 Electrical characteristics

柔软性佳、重量轻、拉力好、耐温、无毒环保。本公司可根据客户之要求进行绞合。

Flexibility, light weight, good tension, temperature resistance, drug-free and environmental. We can twist according to customer's requirement.

四、分切及包装 Slitting and packaging

编织袋或纸箱包装。

Woven bag or carton packaging



Sample
样品

屏蔽类包装材料
Shielding and wrapping materials

绝缘带类包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire resistant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆胶料
Wire and Cable materials for extrusion

玻璃纤维填充绳 Glass fiber filling yarn

[产品说明]: 以玻璃纤维为主要原料, 经表面处理处理和专用机械并捻。

Product Description: Mainly made of glass fiber, twisting by surface treatment and special machinery.

[应用方式]: 主要用于阻燃电缆、耐火电缆、无卤低烟阻燃电缆、隔火(氧)层电缆、低卤低烟阻燃电缆的填充。

Application: Mainly used for filling in fire-retardant cables, fire-resistant cables, low smoke non-halogen flame retardant cables, fireproof (oxygen) cable, low smoke and low halogen-free flame retardant cable.

一、主要技术指标 Main specifications

产品直径 Diameter (mm)	基重 Basis weight (g/m)	抗张强度 Tensile strength (Mpa)	氧指数 Oxygen index (%)
1.5	4.5±10%	150 ↑	40 ↑
2.0	6.0±10%	250 ↑	40 ↑
3.0	8.5±10%	300 ↑	40 ↑
4.0	12.5±10%	350 ↑	40 ↑
5.0	18±10%	400 ↑	40 ↑
6.0	24±10%	500 ↑	40 ↑

除以上规格外, 其它可按客户特殊要求单独设计。

In addition to the above specifications, other special requirements can design according to customers

二、颜色 白色

Color White

三、电气特性 Electrical characteristics

在阻燃电缆原件中确保电缆具有较好的圆整度。当填充材料具有较高的氧指数时, 能够提高电缆的阻燃级别。使电缆中的绝缘线芯相对位置稳定。可以增加电缆的抗拉强度。

Ensure the cable has a better roundness in the original flame retardant cable. It can increase the level of flame retardant cable when the filling material has a higher oxygen index. Make the cable cores are relatively stable. It also can increase the tensile strength of the cable.

四、分切及包装 Slitting and packaging

编织袋或纸箱包装。

Woven bag or carton packaging



样品
Sample

屏蔽及绕包材料
Shielding and wrapping materials

绝缘带绕包材料
Insulating and wrapping materials

阻燃绕包材料
Fire retardant and wrapping materials

半导电绕包材料
Semi-conductive wrapping materials

填充材料
Filling materials

包装材料
Packing materials

电线电缆材料
Wire and Cable materials for extrusion

PVC电线缠绕膜

PVC wrap film

[产品说明]: 是以聚氯乙烯 (PVC) 为原料, 经过吹塑料法加工而成, 分手工包装膜与机器包装膜两种。

Product Description: It is based on polyvinyl chloride (PVC) as raw materials, after blowing the plastic processing, divide into hand-packed packaging film and machine packaging film.

[应用方式]: 主要用于电线电缆外包装, 可以防止电线因频繁搬动而引起杂乱及塑料表面磨损, 有美观和坚固等优点; 用于漆包线, 铜、铝线材时防止氧化。箱体包装时, 五金不锈钢等型材, 塑料软管, 家具等, 可以防潮。

Application: Mainly used in wire and cable packaging, to prevent the wire clutter by moving frequently and plastic surface abrasion, and has beautiful and substantial advantages; used in enameled wire, copper and aluminum wires to prevent oxidation. When carton packing, stainless steel, plastic hose, furniture, it can be moisture-proof.

一、主要技术指标 Main specifications

宽度 Width (mm)	50mm; 60mm; 70mm; 80mm
厚度 Thickness (mm)	0.025±0.005
拉伸强度 Tensile strength	MD≥25Mpa; TD≥18Mpa
断裂伸长率 Elongation at break	MD纵向≥400%; TD横向≥500%
直角撕裂强度 Tear strength of right angle	MD纵向≥80KN/M; TD横向≥100KN/M
粘着力 Adhesion force	≥9Kpa
透明度 Transparency	≥60%
透湿量 Water vapor transmission rate	≤20g/m ² . 24h

二、颜色 透明色

Color Transparent

三、电气特性 Electrical characteristics

PVC电线缠绕膜柔软、透明、使用方便、缠绕后用手稍微用力可拉断, 膜与膜之间便会自然粘合, 无需使用粘合剂。PVC wire wrapping film is soft, transparent, convenient to use, it can pull off after a little exertion. Film and film will adhesion naturally, without use adhesives.

四、分切及包装 Slitting and packaging

编织袋包装, 每袋25KG Woven bag packaging, 25kg per bag



Sample 样品

屏蔽类包装材料
Shielding and wrapping materials

绝缘缠绕包装材料
Insulating and wrapping materials

阻燃类包装材料
Fire resistant and wrapping materials

半导电类包装材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装类材料
Packing materials

电线电缆材料
Wire and Cable materials for extrusion

PE电线缠绕膜 PE wrap film

[产品说明]: 是以聚乙烯 (PE) 为原料, 经过吹塑料法加工而成, 分手工包装膜与机器包装膜两种。

Product Description: It is based on polyethylene (PE) as raw materials, after blowing the plastic processing, divide into hand-packed packaging film and machine packaging film.

[应用方式]: 主要主要用于出口电线电缆的包装, 防潮, 防水, 防尘。

Application: Mainly used for packaging export wire and cable, moisture-proof, waterproof, dust-proof.

一、主要技术指标 Main specifications

屏蔽类缠绕材料 Shielding and wrapping materials	宽度 Width (mm)	50mm; 60mm; 70mm; 80mm
绝缘带类缠绕材料 Insulating and wrapping materials	厚度 Thickness (mm)	0.025±0.005
阻燃类缠绕材料 Fire retardant and wrapping materials	拉伸强度 Tensile strength	MD≥25Mpa; TD≥18Mpa
	断裂伸长率 Elongation at break	MD纵向≥400%; TD横向≥500%
	直角撕裂强度 Tear strength of right angle	MD纵向≥80KN/M; TD横向≥100KN/M
半导电类缠绕材料 Semi-conductive wrapping materials	粘着力 Adhesion force	≥9Kpa
	透明度 Transparency	≥90%
	透湿量 Water vapor transmission rate	≤20g/m ² · 24h

二、颜色 透明色

Color Transparent

三、铜箔麦拉的电气特性 Electrical characteristics

高透亮PE电线缠绕膜具有比重轻, 无毒环保, 柔软、透明、使用方便、缠绕后用手稍微用力可拉断, 膜与膜之间便会自然粘合, 无需使用粘合剂。

High-transparent PE wire wrapping film is light weight, drug-free and environmental, soft, transparent, convenient to use, it can pull off after a little exertion. Film and film will adhesion naturally, without use adhesives.

四、包装方式 Packaging

编织袋包装, 每袋25KG。

Woven bag packaging, 25kg per bag



样品
Sample

屏蔽类缠绕材料
Shielding and wrapping materials

绝缘带类缠绕材料
Insulating and wrapping materials

阻燃类缠绕材料
Fire retardant and wrapping materials

半导电类缠绕材料
Semi-conductive wrapping materials

填充类材料
Filling materials

包装材料
Packaging materials

电线电缆材料
Wire and Cable materials for extrusion

电线电缆材料用量计算公式

Calculation formula for cable and wire material consumption

1. 绞合外径: $D=1.55\sqrt{N}\cdot d$

Stranding outer diameter: $D=1.55\sqrt{N}\cdot d$

D=绞合外径; N=条数; d=单根直径 D= Stranding outer diameter; N=Number; d=diameter

2. 导体用量: $(\text{Kg/Km}) = d^2 \cdot 0.7854 \cdot G \cdot N \cdot K1 \cdot K2 \cdot C$

The amount of conductor: $(\text{Kg/Km}) = d^2 \cdot 0.7854 \cdot G \cdot N \cdot K1 \cdot K2 \cdot C$

d=铜线直径; G=铜比重; N=条数; K1=铜线绞入率(1.02); K2=芯线绞入率(1.02); C=绝缘芯线根数

d=Copper wire diameter; G=Copper proportion; N=Number; K1=Copper twist rate(1.02); K2=Core wire twist rate(1.02); C=Number of insulate core wire

3. 绝缘用量: $(\text{Kg/Km}) = (D^2 - d^2) \cdot 0.7854 \cdot G \cdot C \cdot K2$

The amount of insulation: $(\text{Kg/Km}) = (D^2 - d^2) \cdot 0.7854 \cdot G \cdot C \cdot K2$

D=绝缘外径; d=导体外径; G=绝缘比重; K2=芯线绞入率; C=绝缘芯线根数

D=Insulation outer diameter; d= Conductor outer diameter; G=Insulation proportion; K2= Core wire twist rate; C= Number of insulate core wire

4. 外被用量: $(\text{Kg/Km}) = (D1^2 - d^2) \cdot 0.7854 \cdot G$

The amount of outer: $(\text{Kg/Km}) = (D1^2 - d^2) \cdot 0.7854 \cdot G$

D1=完成外径; D=上过程外径; G=绝缘比重

D1=Finished outer diameter; D= Last process on outside diameter; G= Insulation proportion

5. 包带用量: $(\text{Kg/Km}) = D^2 \cdot 0.7854 \cdot t \cdot G \cdot Z$

The amount of tape: $(\text{Kg/Km}) = D^2 \cdot 0.7854 \cdot t \cdot G \cdot Z$

D=上过程外径; t=包带厚度; G=包带比重; Z=重叠率(1/4Lap = 1.25)

D=Last process on outside diameter; t= The thickness of tape; G=Tape proportion; Z= Overlap rate (1/4Lap = 1.25)

6. 缠绕用量: $(\text{Kg/Km}) = d^2 \cdot 0.7854 \cdot G \cdot N \cdot Z$

The amount of wrapping: $(\text{Kg/Km}) = d^2 \cdot 0.7854 \cdot G \cdot N \cdot Z$

d=铜线径; N=条数; G=比重; Z=绞入率

d=Copper wire diameter; N=Number; G=Proportion; Z= Twist rate

7. 编织用量: $(\text{Kg/Km}) = d^2 \cdot 0.7854 \cdot T \cdot N \cdot G / \cos\theta$

The amount of knitting: $(\text{Kg/Km}) = d^2 \cdot 0.7854 \cdot T \cdot N \cdot G / \cos\theta$

$\theta = \arctan [2 \cdot 3.1416 \cdot (D + d \cdot 2)] \cdot \text{目数} / 25.4 / T$

$\theta = \arctan [2 \cdot 3.1416 \cdot (D + d \cdot 2)] \cdot \text{mesh} / 25.4 / T$

目数=25.4*8/节距 mesh=25.4*8/pitch

d=编织铜线径; T=锭数; N=每锭条数; G=铜比重

d= Braided copper wire diameter; T= Spindle; N= Number/Spindle; G=Copper proportion

8. 比重: 铜-8.89; 银-10.50; 铝-2.70; 锌-7.05; 镍-8.90; 锡-7.30; 钢-7.80; 铅-11.40; 铝箔麦拉-1.80; 纸-1.35; 麦拉-1.37

Proportion: Copper-8.89; Silver-10.50; Aluminum-2.70; Zinc-7.05; Nickel-8.90; Tin-7.30; Steel-7.80; Lead-11.40; Aluminum mylar-1.80; paper-1.35; Mylar-1.37

PVC-1.45; LDPE-0.92; HDPE-0.96; PEF (发泡) -0.65; FRPE-1.7; Teflon (FEP) 2.2; Nylon-0.97; PP-0.97; PU-1.21

棉布带-0.55; PP绳-0.55; 棉纱线-0.48

Cotton tape-0.55; PP yarn-0.55; Cotton yarn-0.48



携手奋进·共赢未来



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