



CABLE TAPE SOLUTIONS FOR EVERY CABLE DESIGN

Production facility

tailored to the customer needs

Cable manufacturers require precision, flexibility and reliability. At our own production facility in Tilburg, The Netherlands, we operate with state-of-the-art slitting & converting production streets. We use all kinds of raw materials such as PP, PE, PET, Mica, Steel, Aluminum, Copper based tapes, foils and films. At HEC-Holland, we supply cable tapes tailored exactly to your specifications. From material selection to final delivery, we ensure your production process runs efficiently. We accommodate various needs such as winding on standard or specialty bobbins, mother rolls, pads or spools. Our expertise ensures precision in adjusting sizes to meet specific requirements.



Make-to-order

HEC-Holland specializes in tailored solutions. We employ a make-to-order strategy to meet your unique cable project requirements.



Converting

We convert tapes, foils and films in a wide variety of measurements. All tailored to the specific clients needs, requirements and specifications.



Labelling

Making sure every order is handled with care, each product is carefully labelled to optimize logistical processes.



Slitting

Our cutting-edge slitting machine fleet can slit a broad range of cable tapes, foils & films: PE, PET, PP-Foam, Mica and Metals, such as Aluminum, Steel and Copper.



Winding

We have excellent winding techniques in-house. Such as winding on standard or specialty bobbins, mother rolls, pads and/or spools.



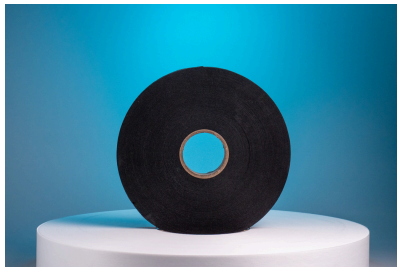
Packaging & Transport

Our converting specialists take care of packaging, storage and transport of each order. Guaranteeing an efficient process.

Our Cable Tapes

for industrial cable applications

HEC-Holland offers a comprehensive range of cable tapes designed to support efficient production and reliable cable performance. Each product group is developed to fulfill a specific function within cable constructions, from water blocking and insulation to shielding and mechanical protection. Our solutions combine consistent quality, excellent processability and tailored performance to meet the demands of modern cable manufacturing.



Waterblocking tapes

Waterblocking tapes are semiconductive or nonconductive materials designed to prevent water ingress in cable constructions. By a blend of superabsorbent polymers, they rapidly, stable & firmly swell upon contact with water ingress, effectively sealing longitudinal water penetration. These tapes are used for bedding and gap filling, with different grades available for small to very large cable designs requiring reliable long-term protection against humidity during life span/water ingress.

Bedding, Binding & Separation tapes

Bedding, binding and separation tapes are used to stabilize cable constructions and protect internal components. Made from nonwoven or woven materials, they offer controlled thickness, flexibility and consistent quality. These tapes ensure smooth processing, prevent layer interaction and provide mechanical support, making them essential for efficient production and durable cable designs.

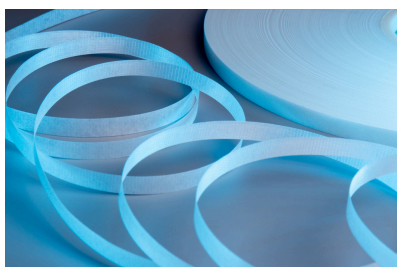
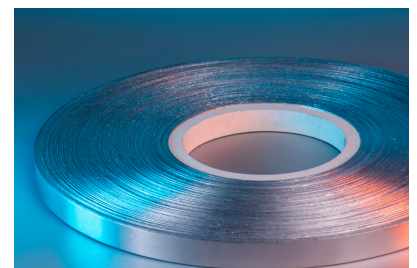


Foam tapes

Foam tapes are lightweight polypropylene-based materials that provide cushioning, separation and gap filling within cables. The smooth closed-cell structure allows controlled compressibility, helping to maintain cable geometry and protect sensitive components. They are widely used for wrapping and binding applications, offering a combination of low weight, flexibility and reliable mechanical performance.

Metalized tapes

Metalized tapes, such as steel, aluminum and copper tapes, are used for shielding, conductivity and barrier protection in/from cable constructions. Aluminum & steel variants provide effective moisture and chemical barriers with excellent bonding properties, while copper tapes ensure high electrical conductivity for grounding and screening. These tapes contribute to reliable cable performance in demanding environments.



Mica tapes

Mica tapes are high-performance insulation materials developed for fire-resistant cable applications. They consist of mica paper combined with reinforcing materials and heat-resistant binders, enabling them to withstand extreme temperatures while maintaining electrical integrity. These tapes are essential in safety-critical cables, providing reliable fire protection and long-term durability.

Cable tapes for cable manufacturers

low, medium & high performance

At HEC-Holland, we offer a wide range of cable tapes, from standard products to fully customized solutions produced in our own converting facility. Our tapes cover performance levels from low to high and are suitable for applications from low voltage to extra high voltage land & marine cables. Below, we present a selection of our portfolio of standard products to give an overview of our capabilities. This is just a selection, we also provide tailored solutions for your specific cable and production requirements.

Semiconductive Waterblocking tapes

Product	Description	Mass (g/m ²)	Thickness (mm)	Tensile strength (N/cm)	Swelling 3min (mm)
HEC-SWB-300		115	0.30	≥38	≥12
HEC-SWB-300-H	High Swelling	130	0.30	≥40	≥15
HEC-SWB-300-S	1 layer	69	0.29	≥42	≥10
HEC-SWB-300-W	Woven	200	0.30	≥120	≥7
HEC-SWB-400		120	0.40	≥40	≥12
HEC-SWB-400-H	High Swelling	150	0.40	≥50	≥18
HEC-SWB-400-W	Woven	250	0.40	≥120	≥7
HEC-SWB-500		160	0.45	≥55	≥15
HEC-SWB-500-SP		160	0.52	≥50	≥15
HEC-SWB-550-M*	Subsea	180	0.55	≥60	≥3
HEC-SWB-565-R	Reinforced	160	0.45	≥100	≥12
HEC-SWB-600*	Subsea	210	0.60	≥50	≥3
HEC-SWB-1000	Foam	225	1.00	≥50	≥15
HEC-SWB-2000	Foam	280	2.00	≥50	≥10

* tested in 3,3% NaCl water

Nonconductive Waterblocking tapes

Product	Description	Mass (g/m ²)	Thickness (mm)	Tensile strength (N/cm)	Swelling 3min (mm)
HEC-NWB-150-S	1 layer	55	0.15	≥26	≥10
HEC-NWB-200-S	1 layer	60	0.20	≥30	≥10
HEC-NWB-210		70	0.20	≥30	≥7
HEC-NWB-210-H	High Swelling	70	0.20	≥30	≥11
HEC-NWB-250-L	PET Laminated	115	0.25	≥35	≥12
HEC-NWB-250-M*	Subsea	130	0.25	≥30	≥2.5
HEC-NWB-260		80	0.25	≥30	≥10
HEC-NWB-265-R	Reinforced	120	0.37	≥100	≥10
HEC-NWB-300-M*	Subsea	140	0.30	≥35	≥4
HEC-NWB-310		100	0.30	≥30	≥12
HEC-NWB-310-H	High Swelling	120	0.30	≥50	≥18
HEC-NWB-350		105	0.33	≥40	≥15
HEC-NWB-500-M*	Subsea	215	0.50	≥50	≥4

* tested in 3,3% NaCl water

Semiconductive Bedding, Binding & Separation tapes

Product	Description	Mass (g/m ²)	Thickness (mm)	Tensile strength (N/cm)
HEC-BSH-150		60	0.15	≥30
HEC-SBB-300		70	0.30	≥45
HEC-BSH-400		90	0.40	≥40
HEC-BSH-1100	Woven	100	0.12	≥125
HEC-BSH-1200-N	Woven Nylon	100	0.12	≥160
HEC-BSH-1400-N	Woven Nylon	110	0.14	≥160
HEC-BSH-2000-TE	Woven Tetoron	170	0.20	≥230
HEC-BSH-1500	Foam	150	1.50	≥40

Nonconductive Bedding, Binding & Separation tapes

Product	Description	Mass (g/m ²)	Thickness (mm)	Tensile strength (N/cm)
HEC-BNH-040		26	0.04	≥20
HEC-BNH-050-T	Thermalbond	28	0.05	≥11
HEC-BNH-060-T	Thermalbond	25	0.06	≥15
HEC-BNH-100		30	0.10	≥32
HEC-BNH-130-T	Thermalbond	70	0.13	≥45
HEC-BNH-140		75	0.14	≥60
HEC-BSH-170		34	0.17	≥33
HEC-BSH-170-FR	Flame Retardant	170	0.20	≥40
HEC-BNH-240		40	0.24	≥34
HEC-BNH-500		65	0.50	≥50
HEC-BNH-600		85	0.60	≥60
HEC-BNH-1200	Woven	100	0.12	≥120

Polypropylene Foam tapes

Product	Description	Mass (g/m ²)	Thickness (mm)	Tensile strength (N/mm ²)
HEC-PPF-115-L	PET Laminated	75	0.125	≥110
HEC-PPF-125		65	0.125	≥90
HEC-PPF-125-AS	Anti-slip	65	0.125	≥90
HEC-PPF-130		68	0.130	≥100
HEC-PPF-170		89	0.170	≥80
HEC-PPF-200		104	0.200	≥80
HEC-PPF-215-L	Laminated	125	0.220	≥85
HEC-PPF-300		180	0.300	≥70

Mica tapes

Product	Performance	Type	Fire resistance (°C)
HEC-MIP-XX	Low	Phlogopite	≤950
HEC-MIC-XX	Medium	Calcined Muscovite	≤1000
HEC-MIS-XX	High	Synthetic	≤1050

Metalized tapes

Product	Description	Thickness Base Material (mm)	Thickness Total (mm)	Tensile strength (N/mm ²)
HEC-COP-060	Copper	0.06	0.06	≥205
HEC-COP-100	Copper	0.10	0.10	≥205
HEC-COP-150	Copper	0.15	0.15	≥205
HEC-CPAL-A708	1 Side Copolymer Laminated Aluminum	0.08	0.13	≥65
HEC-CPAL-A715(C)	1 Side Copolymer Laminated Aluminum	0.15	0.20	≥65
HEC-CPAL-A720(C)	1 Side Copolymer Laminated Aluminum	0.20	0.25	≥65
HEC-CPAL-A730	1 Side Copolymer Laminated Aluminum	0.30	0.35	≥65
HEC-CPAL-A815(C)	2 Side Copolymer Laminated Aluminum	0.15	0.25	≥65
HEC-CPAL-A820(C)	2 Side Copolymer Laminated Aluminum	0.20	0.30	≥65
HEC-CPST-S815	2 Side Copolymer Laminated Steel	0.15	0.25	≥75
HEC-CPST-S820	2 Side Copolymer Laminated Steel	0.20	0.30	≥75
HEC-GST-200	Galvanized Steel	0.20	0.20	≥270
HEC-GST-350	Galvanized Steel	0.35	0.35	≥270

Metalized foils

Product	Description	Thickness Base Material (µm)	Thickness Total (µm)
HEC-APF-0912	Aluminum PET	9 (ALU) 12 (PET)	23
HEC-APF-0919	Aluminum PET	9 (ALU) 19 (PET)	30
HEC-APF-1212	Aluminum PET	12 (ALU) 12 (PET)	26
HEC-APF-1219	Aluminum PET	12 (ALU) 19 (PET)	33
HEC-APF-3712	Aluminum PET	37 (ALU) 12 (PET)	51
HEC-APPAF-9239	Aluminum Polypropylene Aluminum	9 (ALU) 23 (PP) 9 (ALU)	45
HEC-APPAF-9309	Aluminum Polypropylene Aluminum	9 (ALU) 30 (PP) 9 (ALU)	52
HEC-CPF-1623	Copper PET	16 (COP) 23 (PET)	42
HEC-CPF-1823	Copper PET	18 (COP) 23 (PET)	44
HEC-CPF-2023	Copper PET	20 (COP) 23 (PET)	46
HEC-MOPP-025	Monoaxially Oriented Polypropylene	25	25
HEC-PAPF-125012	PET Aluminum PET	12 (PET) 50 (ALU) 12 (PET)	78
HEC-PF-012	PET	12	12
HEC-PF-023	PET	23	23
HEC-PF-036	PET	36	36

A solution for every cable, designed for seamless production integration.

Solutions for Cables

optimized for cable production

HEC-Holland supports cable manufacturers with high-quality cable tapes and advanced converting capabilities. Our solutions are designed to streamline production processes, improve efficiency and ensure consistent product performance. From standard materials to fully customized tape constructions, we provide solutions that integrate seamlessly into your production environment.

Cable Tapes: Performance & Flexibility

Our cable tapes are developed to deliver reliable mechanical, electrical and functional performance across a wide range of cable applications. Whether for water blocking, insulation, shielding or separation, we ensure consistent quality and optimal processability. By combining material expertise with converting know-how, we help optimize both product performance and production efficiency.

Benefits Include:

- **Efficient Processing:** Consistent quality and controlled dimensions ensure smooth and reliable production
- **Flexible Converting Options:** Available in various widths, lengths and formats tailored to your production setup
- **High Performance Materials:** Designed for demanding cable applications, from LV to EHV
- **Custom Solutions:** Tailored tape constructions based on your cable design and technical requirements
- **Reliable Supply Chain:** Stable sourcing and consistent quality to support continuous production

Designed for Efficient Cable Manufacturing

Our cable tapes are engineered to integrate seamlessly into high-speed cable production processes. By maintaining tight tolerances on thickness, width and material consistency, they ensure stable unwinding, controlled tension and uniform application during processing. Optimized surface characteristics and winding quality allow for smooth pay-off without telescoping or edge defects, reducing the risk of line interruptions. In addition, our tapes are designed to be compatible with various extrusion and wrapping processes, enabling consistent layer build-up and reliable adhesion where required. This results in improved process stability, reduced scrap rates and higher overall production efficiency.

Sustainability & Efficiency

At HEC-Holland, we focus on delivering durable and efficient solutions that contribute to long-lasting cable performance. By optimizing material usage and reducing production waste, our cable tapes support more sustainable manufacturing processes. In addition, our converting expertise helps minimize scrap and improve overall production efficiency, contributing to lower environmental impact. Moreover, we are looking in ways to reuse our scrap for other applications in order to use to zero scrap level. Furthermore, our production facility is powered by energy coming from green energy resources.

HEC-Holland

your preferred supplier

In the dynamic world of cable manufacturing, selecting the right supplier for raw cable materials is paramount. At HEC-Holland, we stand as a beacon of excellence, offering expertise and a commitment to innovation. Here's why you should partner with us for your next cable project:

- **Ample Knowledge and Experience** With years of experience in the wire & cable industry, we deliver invaluable insights and expertise to every project.
- **Tailor-Made Solutions** We understand that one size does not fit all. Our team excels in crafting customized solutions to meet your specific needs and requirements.
- **Customer-Specific Products** From concept to creation, we work closely with our customers to develop products tailored to their unique specifications.
- **Process Optimization** Leveraging the latest technologies and methodologies, we optimize processes to enhance efficiency and quality across the board.
- **Lean Supply Chain Management** Our streamlined supply chain management ensures timely delivery of materials, reducing downtime and maximizing productivity.
- **Own Slitting Service** With our in-house slitting service, we offer precision-cut materials tailored to your exact dimensions, minimizing waste and inefficiency.
- **Own Warehouse & Global Distribution Network** With a warehouse and strong global network of distribution centers strategically located across the globe, we ensure seamless access to materials wherever you are.
- **Dedicated, Strong Partnerships** We believe in forging strong partnerships with both our customers and suppliers, fostering collaboration and mutual success.

HEC-Holland stands as a trusted partner in the wire & cable industry.

YOUR CABLE, OUR CONNECTION

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