

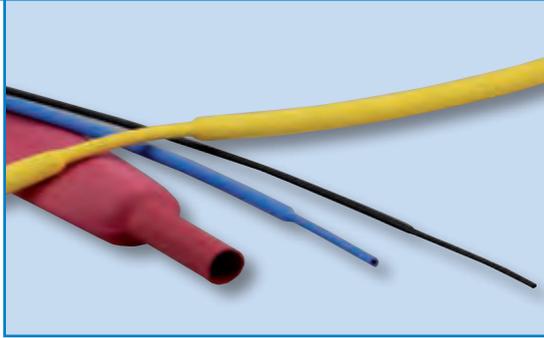
RADIATION CROSS-LINKED

HEAT-SHRINKABLE TUBING with minimal longitudinal change

Thulesius has been delivering TOP quality fast and at good value for over 65 years.

HTS-B2

Thin-walled, radiation cross-linked polyolefin shrinkable tubing
Excellent in workmanship. Proven high mechanical strength.



Approvals: **SAE (MIL)** **CSA** **UL**

- Continuous operating temperature: -55°C to +135°C
- Shrink ratio: 2:1
- Minimal longitudinal change
- Flammability: flame retardant
- Many colours available

HTS-W3B2

Thin-walled, radiation cross-linked polyolefin shrinkable tubing with internal adhesive
For sealing and joining. Transition from cable to connector.



Approvals: **CSA** **UL**

- Continuous operating temperature: -55°C to +125°C
- Shrink ratio: 3:1 and 4:1
- Minimal longitudinal change
- Flammability: flame retardant
- High mechanical strength

HTS-SA3CP

Polyolefin shrinkable tubing with adhesive
Excellent for waterproof connections with maximum impermeability. Ask us about shrink temperature and time.



Approvals: **Automotive OEMs**

- Continuous operating temperature: -40°C to +125°C
- Shrink ratio: up to 4.6:1
- Prevents water penetration
- Minimal longitudinal change
- Flammability: flame retardant
- Colours: transparent tubing, black adhesive

HTS-K2

Thin-walled, transparent, high temperature resistant, cross-linked shrinkable tubing made of polyvinylidene fluoride

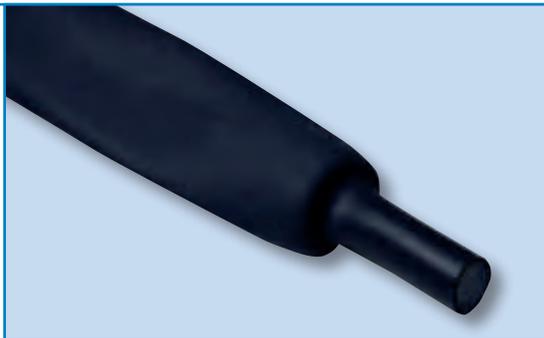


Approvals: **SAE (MIL)** **UL**

- Continuous operating temperature: -55°C to +175°C
- Shrink ratio: 2:1
- Minimal longitudinal change
- Flammability: flame retardant
- Colour: transparent, clear
- High mechanical and chemical strength

HTS-AN25

Extremely thin-walled, highly flexible, radiation cross-linked elastomer shrink tubing
Diesel resistant, ideal for aerospace, military and special vehicles.



Approvals: **VG 95343 T 05 D**

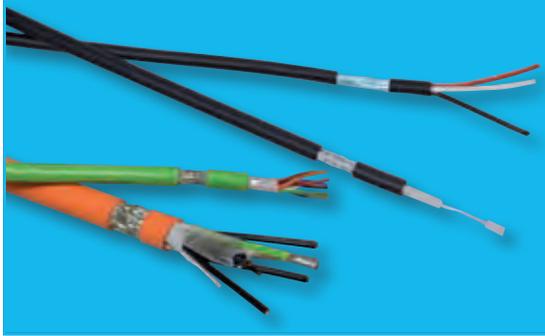
- Continuous operating temperature: -75°C to +150°C
- Shrink ratio: 2:1
- Minimal longitudinal change
- Flammability: flame retardant
- High mechanical strength
- Colour: black

SPECIAL WIRE AND CABLE

Thulesius answers your questions concerning your specific application directly on site.

CABLES FOR CONTROL, DATA, ENGINE & MOTOR ENCODER APPLICATIONS

For measuring and control technology. From AWG 44 to over 75 mm², with almost all known insulation materials.



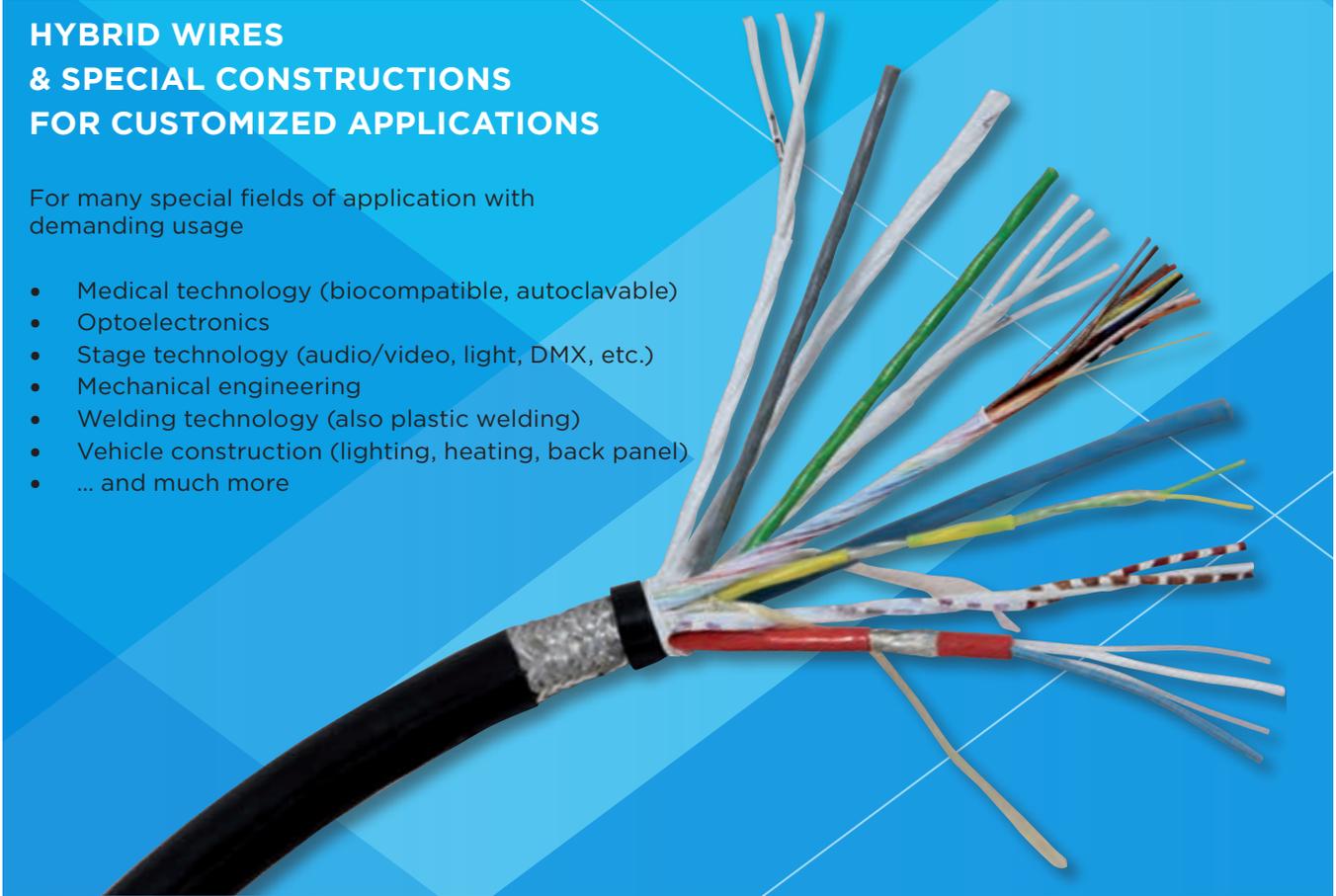
Approvals: **RoHS** | **UL**

- Continuous operating temperature: -190°C to +1400°C
- Data cables (eg. USB, CAT, RG, etc.)
- Also for mobile operations
- Markings and colours as required
- Compliant with diverse applicable standards

HYBRID WIRES & SPECIAL CONSTRUCTIONS FOR CUSTOMIZED APPLICATIONS

For many special fields of application with demanding usage

- Medical technology (biocompatible, autoclavable)
- Optoelectronics
- Stage technology (audio/video, light, DMX, etc.)
- Mechanical engineering
- Welding technology (also plastic welding)
- Vehicle construction (lighting, heating, back panel)
- ... and much more



QUICKLOK CABLE TIES

Quality product from European production suitable for your Thulesius products and applications.

Practical help in all areas
Very good resistance to alkali, oil and grease.
With high tensile strength.
Heat-stabilized material. Also in small quantities.



Approvals: **MIL-S23190** | **UL 94 V2**

- Continuous operating temperature: -40°C to +85°C
- Heat stabilized cable ties up to +105°C
- Sizes from 98 x 2.5 mm up to 1,000 x 12.6 mm
- High tensile strength
- Colour: transparent and black as standard
- Also reusable cable ties, mounting sockets etc.

A WIDE SELECTION

INSULATING TUBING & SLEEVES

Thulesius has a wide range of different properties for your application.

PVC-RP

Isotopic PVC insulating tubing
Low-cost electrical insulating tubing for many applications. Further insulating tubing made of PUR, silicone, PE, GRP and more is also available.

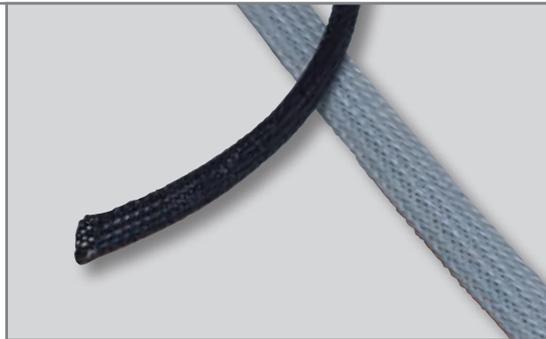


Approvals: **DIN 40621** | **UL**

- Continuous operating temperature:
type RP: -20°C to +70°C
GHT: -30°C up to +110°C
- Transmittance resistance > 20 kV/mm
- Self-extinguishing: Approvals to UL, UL 94 V-2 (V-0 available), Mil Spec 231900
- Colours: black and white, others on request

HTR-PS

PROTECTO braided halogen-free polyester tubing
Very flexible due to the light structure. With high abrasion resistance and optimal mechanical protection.



Approvals: **IEC 60684** | **UL224**

- Continuous operating temperature: -70°C to +150°C
- Strain ratio: 1:2
- Very good resistance to alkali, saline solutions and moisture
- Self-extinguishing

HTR-PSRG8

PROTECTO sleeve
The alternative to spiral tubing and adhesive tape: mountable, rounded fabric halogen-free polyester tape.



Approvals: **IEC 60684** | **FMVSS**

- Continuous operating temperature: -70°C to +150°C
- Very flexible
- High degree of coverage
- Very good abrasion resistance
- Self-extinguishing
- Colour: black

HTH

PROTECTO Braided metal sleeves
Also plaited braids and ground straps available. Shield braids for subsequent EMC protection.



Approvals: **RoHS**

- High degree of coverage, good shielding effect
- Easily expandable
- Choice of materials
 - copper: high EMC protection;
 - stainless steel: high mechanical strength;
 - nickel: temperature resistant; ...
- Coatings: bare, tin-plated, nickel-plated, silver-plated

YOUR EXTRA SERVICE

Individual cutting and printing service for your heat shrink tubing



QUICK TO INSTALL

SOLDER TERMINATION SLEEVE AND SUMISEAL

Connecting, sealing, insulating and mechanically protecting in one step.

STS-LC

Heat shrinkable solder joints with earthing conductor
Optimum and reproducible processing quality for temperature-sensitive applications at a reasonable price.



Approvals: **NAS 1745**

- Continuous operating temperature: -55°C to +105°C
- Shrink ratio: ca. 2:1
- High mechanical strength
- Easy reproducible processing
- Self-extinguishing
- Farbe: transparent, blue-tinted

STS-HC

Heat shrinkable solder termination sleeves
Fast and easy to install with the possibility of visual inspection in your application.



Approvals: **NAS 1745**

- Continuous operating temperature: -55°C to +150°C
- Shrink ratio: ca. 2:1
- High mechanical strength
- Easy reproducible processing
- Self-extinguishing
- Colour: transparent, blue-tinted

SUMISEAL

Crimp/butt connector with halogen-free shrink tubing insulation
Water repellent
Also available in small sizes.



Approvals: **IEC 60684** | **FMVSS**

- Continuous operating temperature: -55°C to +110°C
- High mechanical strength
- Easy reproducible processing
- Self-extinguishing
- Range of application: 0.3 mm up to 6.0 mm Ø
- Colours: transparent, blue, red, yellow-tinted

WE ARE OUR CUSTOMERS' WAREHOUSE

- | Expert and customer-oriented personal advice
- | Fast delivery of cable and cable accessories within 24 hours
- | Well stocked warehouse with reliable supply
- | Individual cutting and printing service for heat shrink tubing

Reliability, flexibility and customer proximity make us your strong partner. As a 100% subsidiary of the Sumitomo Electric Group, we belong to one of the world's largest manufacturers of heat shrink products with production in Germany. Our sales team supports you directly with assistance and advice for all your cable needs.

Certified according to: **DIN EN ISO 9001**



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