



CUSTOMIZED RADOX® AUTOMOTIVE CABLES

Sensor and databus cables for road vehicles

Resistant to low and high temperatures, flame retardant, flexible, media resistant

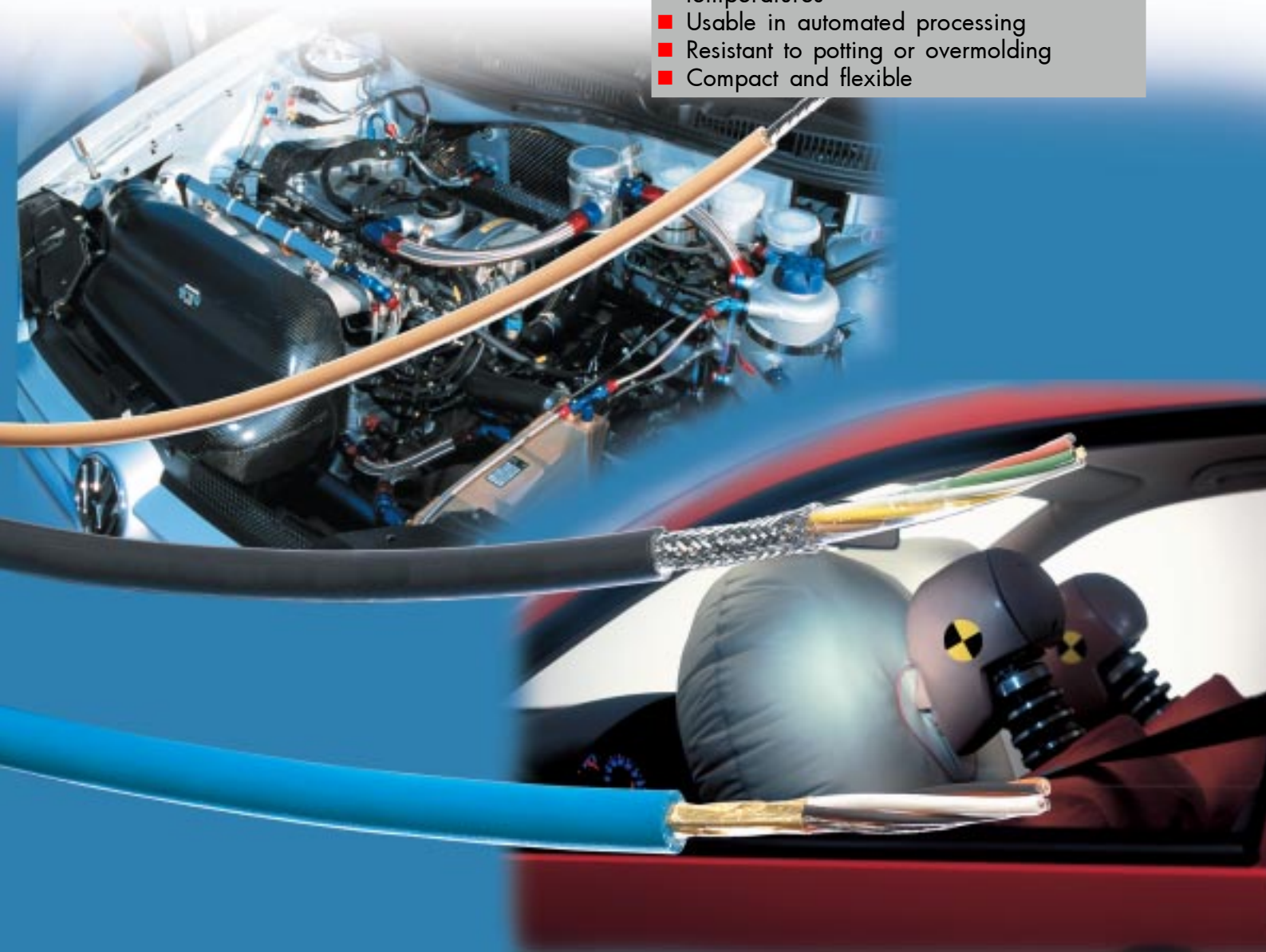
With ever-accelerating advances in the automotive industry, engineers may find it difficult to locate the cable they need in any catalog. Although a standard cable may do the job, it will always be a compromise.

With the design of multicore cables HUBER+SUHNER is in a position to offer customized solutions. For this, we have various electron beam crosslinked RADOX insulation materials that show excellent properties in regard to chemical and abrasion resistance, etc.

RADOX cables can be used within a wide temperature range, are thinner, more flexible, have excellent mechanical properties and are resistant to all media that are used in road vehicles.

All RADOX cables comply with the EC directive 2000/53/EC on end of life vehicles and are free from lead, mercury, cadmium and chrome VI.

- Temperature range -55°C to +150°C
- Resistant to motor oils, fuels, hydrolysis
- Electron beam crosslinked RADOX® insulation does not melt at high temperatures
- Usable in automated processing
- Resistant to potting or overmolding
- Compact and flexible

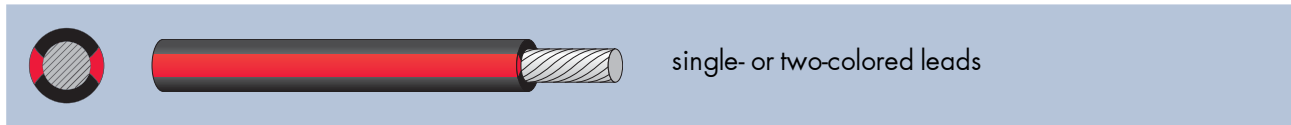


Customized RADOX® Automotive Cables

Your requirements

- What degree of flexibility is required?
- Special temperature requirements?
- Special chemical or environmental concerns?
- Zero halogen requirements?
- Round or flat cable?
- EMC shielding necessary?
- Special requirements for voltage rating, impedance, attenuation?
- Approvals?
- Potting or overmolding?
- Special requirements on processing (crimping, welding, ultrasonic welding, etc.)?

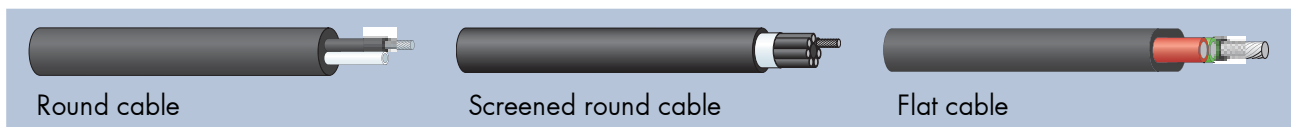
Our leads



Lead type	Temperature range (3000 h)	Cross-section	Designation
RADOX® 155S RW	-55°C to +150°C	0.14 to 1 mm ²	Following "Ultra Thin Wall" acc. to ISO 6722; excellent media resistance; for applications where a small diameter is required
RADOX® 155S FLR	-55°C to +150°C	0.35 to 6 mm ²	"Thin Wall" acc. to ISO 6722; excellent media resistance; for standard applications and high temperature databus cables with 110 Ω impedance
PE-X	-40°C to +125°C	0.35 to 1 mm ²	Databus cable with 110/120 Ω impedance

Our jacket materials

Jacket material	Temperature range (3000 h)	Electron beam crosslinked	Mechanical resistance	Flexibility	Media resistance
RADOX® Elastomer S	-40°C to +150°C	Yes	Good	Very good	Very good
RADOX® 155	-55°C to +150°C	Yes	Very good	Good	Good
TPU	-40°C to +125°C	No	Very good	Very good	Good



Our service

A custom solution can often be more cost-effective than using a standard product out of a catalog. Thanks to our extensive know-how in cable design and production we can develop the solution together that best suits your needs. Please contact us - we will be pleased to help you!
 These products are manufactured in a QS-9000 certified work site.

HUBER+SUHNER Group is certified according to ISO 9001 and ISO 14001

Waiver
 While the information contained in this flyer has been carefully compiled to the best of our present knowledge, it is not intended as representation or warranty of any kind on our part regarding the suitability of the products concerned for any particular use or purpose and neither shall any statement contained herein be construed as a recommendation to infringe any industrial property rights or as a license to use any such rights. The suitability of each product for any particular purpose must be checked beforehand with our specialists.



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