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Technical Data Sheet

ShieldFast

Standard 3:1 Range of Screened Devices

Description

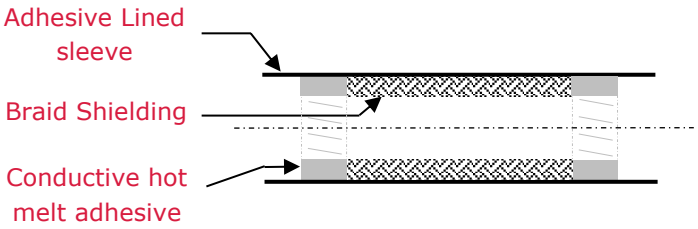
The ShieldFast range of screened devices offers full shielding and grounding continuity to cables where they are most vulnerable at terminations, splices and transitions. The unique one-piece parts are heat shrinkable to give a snug fit and provide mechanical protection, strain relief and sealing to the underlying structure.

Benefits

- Simple to specify, stock, handle and install
- Installation temperature is a manageable 110°C
- Provides mechanical protection and strain relief of the underlying structure
- Low interface resistance
- Low smoke, low toxicity, zero halogen
- Excellent chemical resistance

Design

The design features a heat shrinkable, adhesive lined sleeve, which contains shielding braid and conductive hot melt adhesive



Dimensions

Part No.	*Minimum Supplied I.D.	Minimum Recovered I.D.	*Length	Recovered Wall Thickness
RSCD-230	9mm	3mm	40mm	1.4mm
RSCD-231	12mm	4mm	40mm	1.8mm
RSCD-232	18mm	6mm	60mm	2.2mm
RSCD-233	24mm	8mm	60mm	2.5mm
RSCD-234	40mm	13mm	80mm	2.5mm

Typical Properties

Tubing material:		Flame retarded cross-linked polyolefin
Shrink ratio:		3:1
Continuous operating temperature:		-55°C to 110°C
Tensile strength:		14 MPa \ 2030 Psi
Elongation at break (insulation):		300%
Dielectric strength (insulation):		10 kV/mm
Braid coverage:		360° >95%
Installation temperature:		110°C
Adhesion:	Peel strength to cable insulation:	100N / 25mm
	Peel strength to cable braid:	100N / 25mm
Chemical resistance to fluids and water:		Excellent
EMC shielding performance (overall):		>70dB at 100Mhz
DC resistance end-to-end:		<1 mΩ

Resintech Limited warrants that the typical properties where stated are to be considered as representative of the named product and should not be treated as specifications. * denotes test on batch acceptance basis. While the information presented is believed to be true and reliable different batches, conditions and applications yield differing results. As a result, the customer is solely responsible for evaluating the product and determining its suitability for their intended use. Resintech Limited cannot accept any responsibility for loss or damage that may result from improper application.

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Related products

- RT125 flexible high performance epoxy adhesive
- RT425 single part coating adhesive

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