

4571101	DATA SHEET	
valid from: 2026-06-16	ESUY	

Application

ESUY is designed for grounding of usually current carrying parts in high voltage installations of rails during repair works. In addition it is used for grounding or potential compensation at machine parts and electronic data processing installation. Sheathing serves for mechanical protection of the conductor and of pollution.

Design

Conductor	high flexible copper rope with a braiding of bare electrolytic copper based on DIN 46440
Outer sheath	transparent PVC compound TM2 acc. to VDE 0207 part 5

Electrical properties at 20 °C

Test voltage	2000 V AC
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Mechanical and thermal properties

Minimum bending radius	12 x outer diameter
Temperature range	-5 °C up to +70 °C max. conductor temperature
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2

Tests	acc. to IEC 60811 resp. EN 60811, EN 50395, EN 50396
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General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)
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Environmental information	These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).
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Note	Trade product, no LAPP product
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Creator: LABU / PDC	Document: DB4571101EN	Page 1 of 1
Released: ALTE / PDC	Version: 06	