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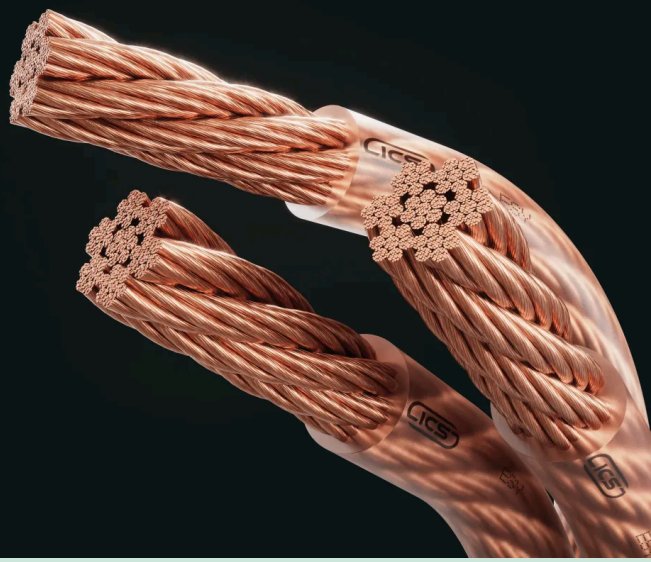


EARTHING AND SHORT CIRCUITING CABLES

ESY

Copper earthing cable

Earthing ropes ESY are used as safety relevant connection in earthing and short circuiting equipment. The field of application ranges from railway systems, e.g. construction of overhead lines to earthing in high voltage power installations of electric supply companies. Special stranded conductor as well as insulation compound provide an extended temperature range for application.

TECHNICAL DATA

Standard
EN 61138
EN 61230

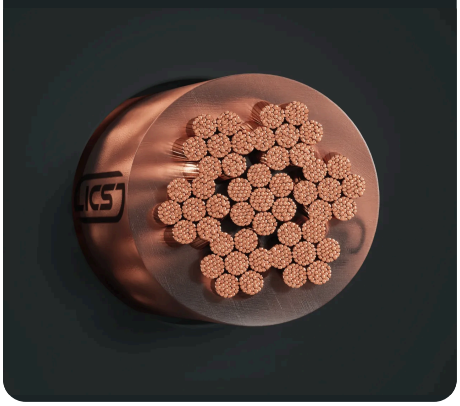
Test Voltage
2 kV / 50 Hz

Bending radius (min.)
12 x Ø of cable

Fire properties
EN 60332-1-2: self-extinguishing and flame retardant

Temperature range
Operating temperature: -25°C up to 70°C

DESIGN



1. Bare copper conductors, super fine wire according to DIN VDE 0283 Part 3 / EN 61138, maximum single wire diameter 0.21 mm
2. Outer sheath of special cold resistant compound based on polyvinyl chloride (PVC), colour: transparent

Number of cores x nominal cross-section (mm^2)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
1 x 16	8.5	154	185
1 x 25	10.0	240	270
1 x 35	12.0	336	390
1 x 50	13.8	480	575
1 x 70	16.0	672	810
1 x 95	18.5	912	1080
1 x 120	20.5	1152	1680
1 x 150	22.2	1440	1512

Technical changes reserved. All figures are therefore without guarantee.



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