

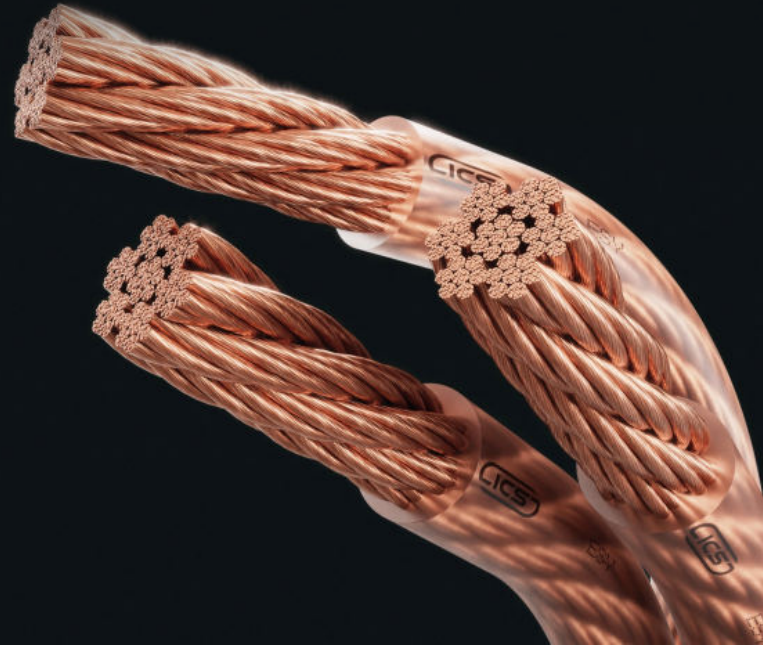


ESY

Copper earthing cable

EARTHING AND SHORT CIRCUITING CABLES AND BARE WIRES

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
2000 V



Bending radius (min.)
12 x ϕ of cable

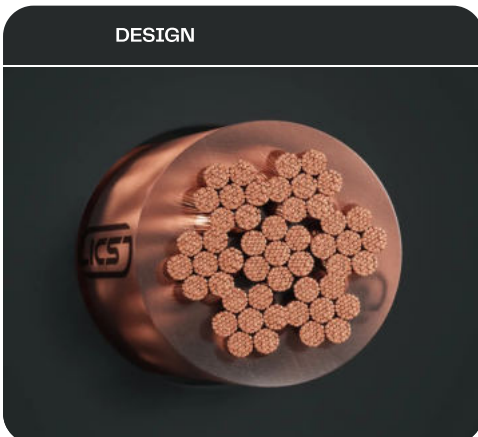


Fire properties
EN 60332-1-2: self-extinguishing and flame retardant



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	240	270
1 x 35	12	336	390
1 x 50	13.8	480	575
1 x 70	16	672	810
1 x 95	18.5	912	1080
1 x 120	20.5	1152	1680
1 x 150	22.2	1440	1512

CONTACT PERSON

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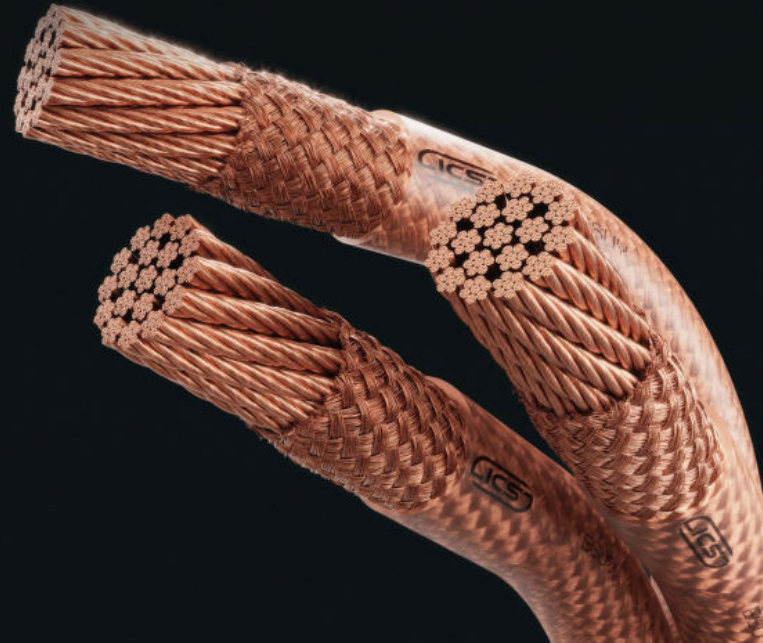


ESUY

Copper earthing cable, screened

EARTHING AND SHORT CIRCUITING CABLES AND BARE WIRES

Earthing ropes ESUY 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.



TECHNICAL DATA



Standard
DIN 46438; DIN 46440



Test Voltage
2000 V



Bending radius (min.)
12 x ϕ of cable

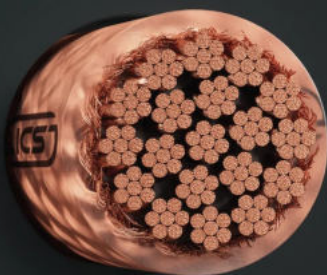


Fire properties
EN 60332-1-2: self-extinguishing and flame retardant



Temperature range
Operating temperature: -5°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 0.10 mm

2

Bare copper wire braiding

3

Outer sheath of special 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	8.9	177	230
1 x 25	10.3	275	335
1 x 35	12.5	387	475
1 x 50	14.9	560	670
1 x 70	17.4	791	905
1 x 95	19.8	1069	1220
1 x 120	21.5	1360	1505
1 x 150	24.2	1654	1940

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Copper wire braidings, round

Bare copper wire braidings, round

EARTHING AND SHORT CIRCUITING CABLES AND BARE WIRES

Our bare copper wire braidings / earthing straps are used for protective earthing within cabinets or for applying an additional shield around electrical connections in dry rooms without corrosive environment.



TECHNICAL DATA



Standard
TS ICS 43-2020

DESIGN



1

Bare copper wire or stranded bare copper wire braiding (round)

Single wire diameter (mm)	Conductor cross section (mm ²)	Outer diameter appr. (mm)	Cu-value (kg/km)
0.07	6	5	58
0.07	10	7	96
0.07	16	8.5	154
0.07	20	10	192
0.07	25	11	240
0.07	35	13.5	336
0.1	10	7	96
0.1	16	8.5	154
0.1	25	11	240
0.1	35	13.5	336
0.1	50	17	480
0.2	25	11	240
0.2	35	13.5	336
0.2	50	17	480
0.2	70	20	672

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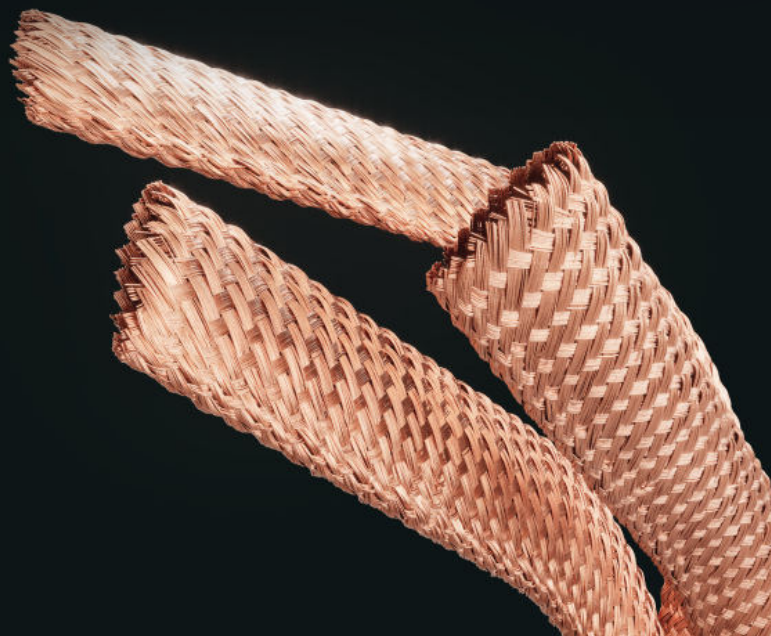


Copper wire braidings, flat

Bare copper wire braidings, flat

EARTHING AND SHORT CIRCUITING CABLES AND BARE WIRES

Our bare copper wire braidings / earthing straps are used for protective earthing within cabinets or for applying an additional shield around electrical connections in dry rooms without corrosive environment.

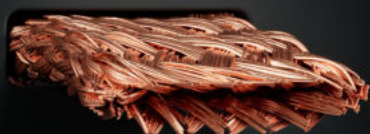


TECHNICAL DATA



Standard
TS ICS 43-2020

DESIGN



1

Bare copper wire or stranded bare copper wire braiding (flat)

Single wire diameter (mm)	Conductor cross section (mm ²)	Width of flattened conductor (mm)	Height of flattened conductor (mm)	Cu-value (kg/km)
0.07	6	8.5	0.9	58
0.07	10	11.5	1.2	96
0.07	16	15.2	1.4	154
0.07	20	16.8	1.7	192
0.07	25	19	1.9	240
0.07	35	21.5	2.4	336
0.1	10	11.2	1.3	96
0.1	16	15.5	1.5	154
0.1	25	20	2	240
0.1	35	24	2.2	336
0.1	50	28.5	2.8	480
0.2	25	22	1.6	240
0.2	35	24.5	2.4	336
0.2	50	31	2.7	480
0.2	70	35	3.8	672

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