



ESUY copper ground wire

Structure and technical data

- Conductor material: Bare copper strands
- Conductor class: finely stranded, 7-wire
- Overall screen: braiding of bare copper wires
- Outer jacket material: special PVC mixture
- Sheath color: transparent
- Test Voltage: 2kV
- Insulation resistance: min 20 MOhm x km
- Ampacity: (only briefly) see VDE 0105 Part 1/5.75
burning value (1 sec.): > 300 A/mm²
- smallest bending radius: fixed 10 x d
moves 12 x d
- Operating temperature: fixed min/max -40 °C / +70 °C
Estimated min/max -5 °C / +70 °C
- Brandverhalten: flammwidrig nach IEC 60332-1
- Standard in Anlehnung an VDE 0682/0683 und DIN 46338/46438 ESUY

application

as a safety grounding rope for grounding purposes where a very high degree of flexibility required
is used, for example, for repairs to overhead power lines on railways,
for grounding
the current-carrying parts of the high-voltage systems of the utility companies as well
as for
Earthing devices and equipotential bonding on machine parts and IT systems.

particularities

- Extra-fine bare copper bundle strands
- Very robust thanks to copper braiding over bundled strands
- LBS-free/silicone-free (at production)
- cold-resistant

cross-section	construction	Outer-Ø mm	Cu-Weight kg/km	total weight kg/km	Artivle number
16	4200 x 0,07	9	180	240	T5000002
25	3234 x 0,10	10,7	280	340	T5000003
35	4557 x 0,10	12,4	415	470	T5000004
50	6370 x 0,10	14,6	585	680	T5000005
70	8967 x 0,10	17,5	795	920	T5000006

cross-section	construction	Outer-Ømm	Cu-Weight kg/km	totalweight kg/km	Artivlenumber
95	120005 x 0,10	20,8	1090	1240	T5000007
120	15435 x 0,10	23,2	1360	1525	T5000012
150	18865 x 0,10	26,2	1650	1950	T5000013
185	25580 x 0,10	30,3	2150	2400	T5000014
240	30600 0,10	33,0	2750	3100	T5000016

- Further formats available on request
- All data and products subject to change