

# Earth conductor ESY, PUR, transparent

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CH-S00Q-D

UV-resistant earth conductor flexible at low temperature, transparent, made of polyurethane

- Good resistance at high and low temperatures
- Hydrolysis-resistant
- Flexible at low temperatures down to -40°C
- Microbe-resistant
- Weather resistant

### Application

Installers working on high-voltage systems are required to use a reliable earth conductor suitable for daily use. The lightweight, highly flexible earth conductor ESY can be handled optimally at temperatures below 0°C and meets the highest requirements: The wire is made of the finest copper wires which meet the requirements of the highest class 6 of the IEC standard. The sheath made of polyurethane (PUR) ensures optimum protection against wear and embrittlement caused by sun exposure during outdoor use.

### Materials and components

- Cu conductor bare class 6 (IEC 60228), finest stranded
- Core insulation made of polyurethane (PUR)
- Core colour natural

### Functions

- Abrasion resistant
- Flexible
- Good oil and petrol resistance
- Halogen-free
- Very good resistance to many chemicals

### Environmental conditions

- Excellent ozone- and weather-resistant properties

### Performance

Mechanical properties

- Max. tensile load 20N/mm<sup>2</sup> Cu cross-section
- Min. bending radius 6 x D static, 15 x D dynamic (D = cable Ø)

Temperature range

- -40°C ... +90°C

### Standards

- Based on EN 61138
- IEC 60754-1 Halogen-free
- IEC 60754-2 Corrosivity of fumes
- Based on EN 61138

CPR Guideline

- Fire reaction class acc. EN 13501-6 : Fca

### Remarks

- d1=Ø across copper cord
- Made in Switzerland
- D= total Ø



### Technical data

Cross-section mm <sup>2</sup>	Part no.	Conductor design Qte x mm	Ø d1 approx. mm	Ø D approx. mm	Copper index kg/km	Weight kg/km	Combustion energy MJ/m
1X35		1140 x 0.194	8.7	11.5	336.0	355	1.88
1X50	523054	1596 x 0.194	10.4	13.6	480.0	502	2.30
1X70		2280 x 0.194	12.2	15.4	672.0	690	2.93

