

S(E)T1XA0

Thermoflexo for use in high temperature industrial applications

P&D cables.

Special tear-resist compound elastomer material



Super-fine strength enforced cu conductor

** The cable shown above is for demonstration purposes.
The cable may subject to modification according to customer requirement.

The Thermoflexo wire is designed with high safety in mind. The wire is made from high performance compound elastomer material with special tear-resist construction and super fine strength enforced conductors to ensure the wire's high strength structure is maintained while keeping the wire's high flexibility nature intact. Our engineers and technicians have designed the wire to withstand high-risk industrial applications.

Part Number:

S(E)T1XA0

Wire Dimensions:

1 x 50mm²

Wire Colour:

Acc. to customers' request. We are pleased to produce special colour versions, other dimensions, multi-cores, and jacket colours on request.

Wire Sheath:

The sheath of the wire is made of special tear-resistant compound elastomer material which can endure heat up to 200°C. This material is oil resistant in general to common oils.

Applications:

Heat and coldness resist power, control, and connecting wire in electrical facilities. For fixed laying and flexible applications. Suitable for use in dry, humid, and wet rooms. The wire is largely resistant to common acid and bases, and specified oils.

Elongation:

Elongation - $\geq 250\%$
Tensile Strength - $\geq 5\text{N/mm}^2$

Electrical Characteristics:

Operating Voltage - 1 kV
Voltage Test (in water) - 2000 V / 5 min.
Allowable Current - 285 A
Min. Insulation Resistance - 100M Ω .km at 20°C
Max. Conductor Resistance - 0.558 Ω /km at 20°C

Physical Properties:

Insulation Thickness - approximately 2.032 mm
Wire Diameter - approximately 14.5 mm
Wire Weight - approximately 525 kg/km

Approvals and Standards:

Acc. to UL3644, VW-1, up to 150°C, RoHS

Note: All indications on this data sheet have been made to the best of our knowledge. They are only a non-binding advice and serve as a starting point for plannings. They don't release the user from own tests regarding the suitability of the desired application purposes. Processing and the use of the products cannot be controlled by us and are therefore exclusively in your field of responsibility. The design is subject to alteration if new realization will make it necessary.