SR - SRHT
Long cables and tapes

Characteristics

- Designed according to customer requirements.
- For very long circuits.
- Highly corrosion-resistant.
- Very good resistance to mechanical stress.
- Connection with specific accessories.
- Nickel-copper braid, for mechanical protection and earthing.
- Fluoropolymer insulation.
- Special production on request.

Applications

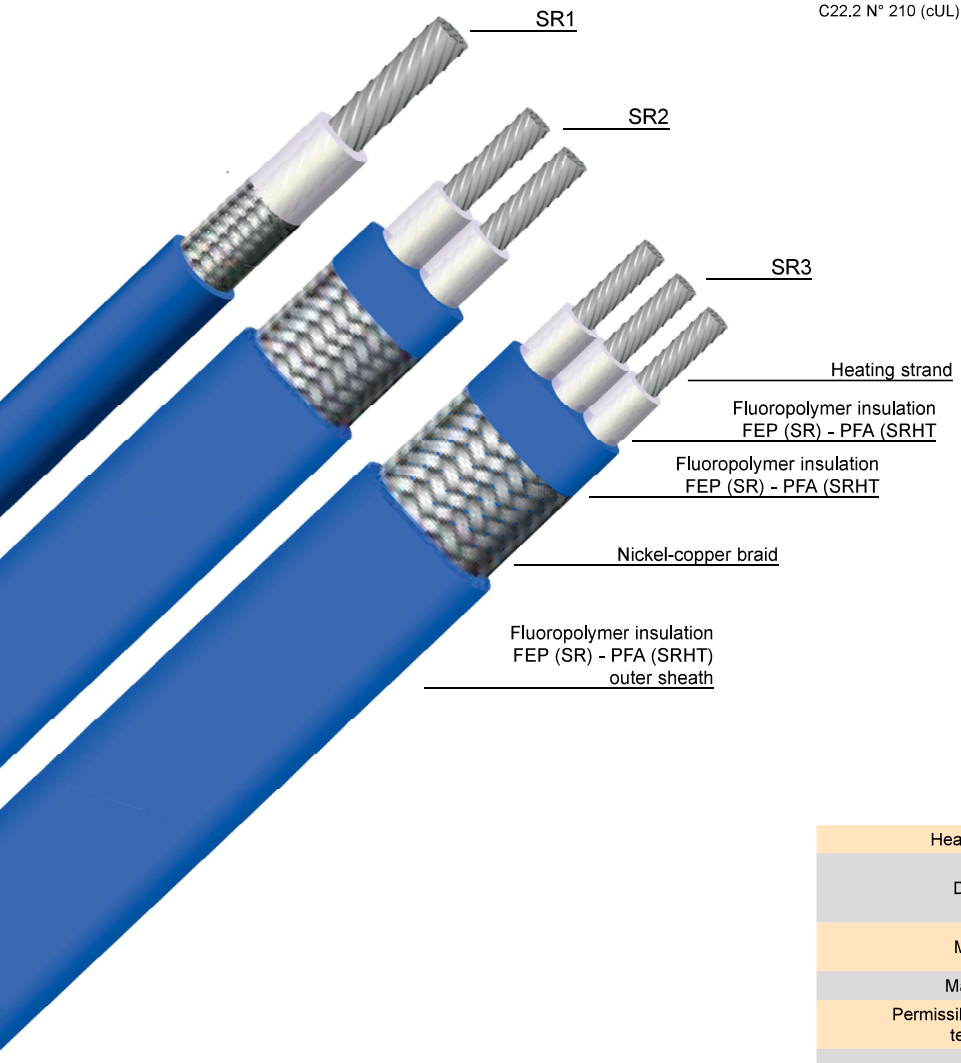
SR and SRHT cables are used when it is required to trace very long stretches, where power supply is available only at one end for example in pits, tunnels, heating tracks, pipes,...

Due to their constitution, these heating cables are particularly adapted for frost protection and temperature maintenance in corrosive areas.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.

Standards

CEI 62395-1
CEI 62395-2
CAN/CSA-C22.2 n°130-03
C22.2 N° 210 (cUL)
NF EN 60077-1
NF EN 60077-2
NF EN 60079-30-1
NF EN IEC 60079-0
NF EN 60079-7



Resistance characteristics

The table below gives the resistance values in Ohm / m at the nominal voltage and for an ambient temperature of 20 ° C.
These values indicate the linear resistance for each conductor. Power supply variations and temperature coefficients may affect the given values.
The connection and use of these products are aimed to electrical professionals.
Contact our technical service for more information.

Typ	Max. linear resistance per conductor at +20°C in Ohms/m
SR1 : 1 conductor	0,01939
SR2 : 2 conductors	0,01512
SR3 : 3 conductors	0,00955
	0,00600
	0,00348
	0,00243

	SR	SRHT
Heating strand	Nickel-Copper or Nickel-Chrome	
Dimensions	SR1 : Diameter 5 to 8 mm SR2 : 6x9 to 10x15 mm SR3 : 6x12 to 10x19 mm	
Max. power	40 W/m of cable (UL version) others contact us	
Max. voltage	600 V	1200 V
Permissible surface temperature	From - 60°C to + 200°C	From - 60°C to + 260°C
Tolerance	Resistance ± 10 %	
Min. bending radius	6 x the diameter or the thickness	
Ingress protection code	IP54 to IP67 with our kits	

Use

Consult the pages of the catalogue devoted to the corresponding general operating principles, general instructions for use and accessories.

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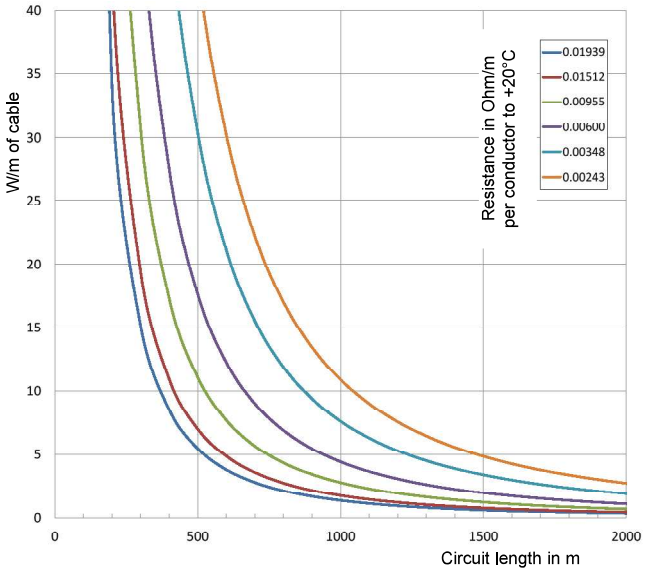
SR - SRHT
Long cables and tapes

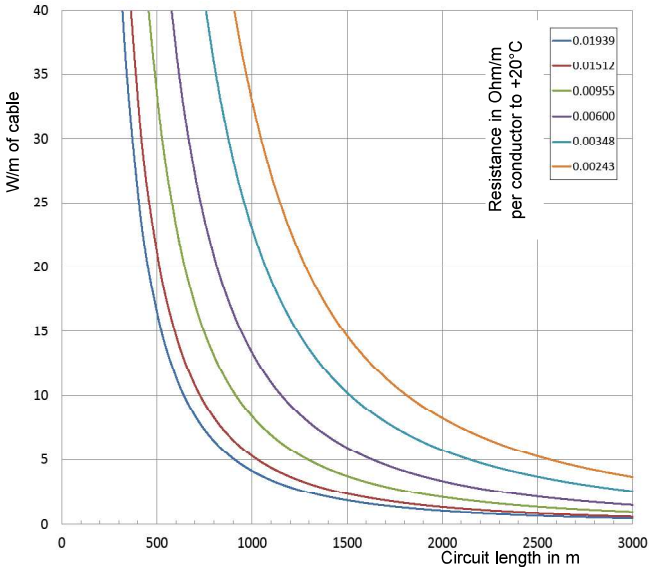
Circuit lengths for 2 conductors serie coupling

The graphs below indicate the nominal power at +20°C in function of the total length of cable installed at a rated voltage
The lengths represent the totality of installed cables, in serie coupling under a single phase voltage, for SR1 and SR2 version.

Voltage 230 v



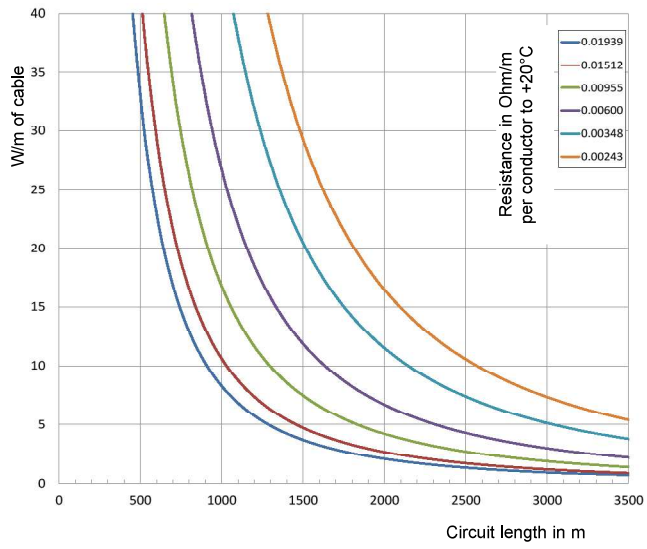
Voltage 400 v



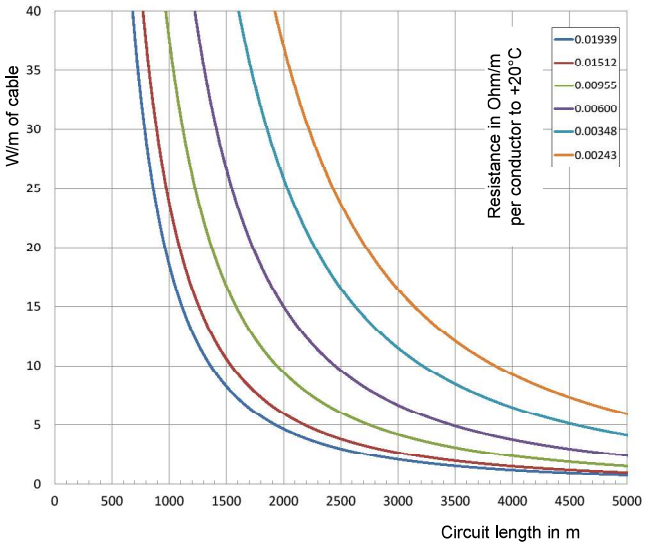
Circuit lengths for 3 conductors star coupling

The graphs below indicate the nominal power at +20°C in function of the total length of cable installed at a rated voltage
The lengths represent the totality of installed cables, in star coupling at the end of the circuit with a 3-phase power-supply, for SR3 versions.

Voltage 400 v



voltage 600 v



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