



RST® NRG 2x2,5 mm<sup>2</sup>

## READY TO **POWER**

The compact flat cable system for quick installation with the highest IP protection rating.

# PRE-ASSEMBLED EFFICIENT ENERGY DISTRIBUTION – PLUG-IN IN A COMPACT FORMAT.

The RST® NRG 2x2,5 mm<sup>2</sup> flat cable is based on the proven RST® MINI connector system and aims at the optimized integration of electrical loads into an efficient infrastructure.

Customer-specific cable assemblies are automatically pre-assembled at the factory. On site, they are installed quickly and safely using pluggable interfaces. Depending on the application, loads are connected either directly via an RST® MINI device connection or via a pre-assembled cable. With the appropriate system components, even complex electrical installations can be implemented easily. The end of the flat cable can optionally be fitted with an end cap or with a pluggable RST® MINI interface for further power distribution.

#### THE SYSTEM FOR:

- + DC POWER SUPPLY IN INDUSTRIAL PLANTS
- + ARCHITECTURAL LIGHTING
- + SHELVING SYSTEMS
- + EVENT LIGHTING
- + LIGHTING SYSTEMS
- + VERTICAL FARMING



## YOUR ADVANTAGES

- + Significant time savings during assembly
- + Space-saving and inconspicuous
- + Customized cable layout with just a few components



# RST® NRG – FEATURES AT A GLANCE

## CODING – FOR BETTER DISTINGUISHMENT + SECURITY

Depending on the application, two mechanical codings are available.

### Brown coding

For applications in the extra low voltage range (protection class III)

### Black coding

For applications in the mains voltage range (protection class II)

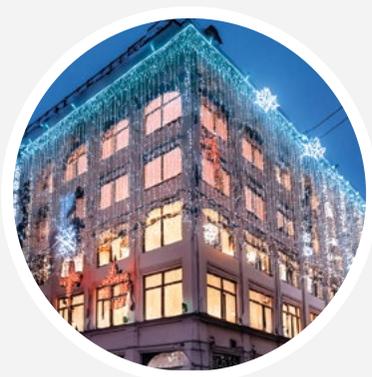
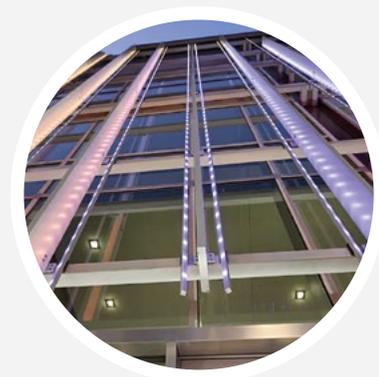
Behind the color coding, there is also a mechanical keying preventing any risk of incorrect connection.

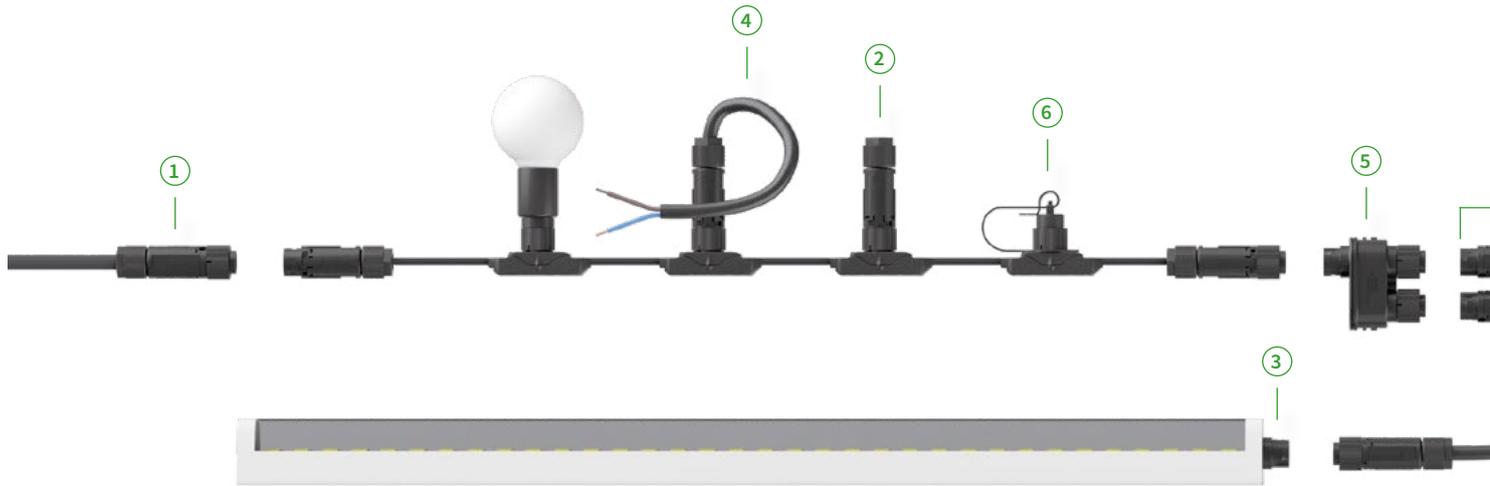


## TWISTLOCK – INNOVATIVE LOCKING MECHANISM

Thanks to the proven TWISTLOCK locking mechanism of the RST® MINI connector system, the connectors automatically lock into place when plugged together, providing the user with clear feedback that the connection is correctly aligned. A slight twist releases the connection.

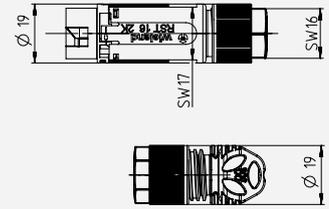
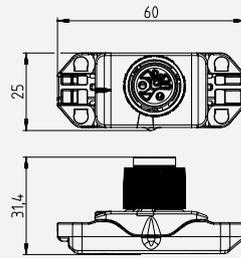
## EXAMPLE APPLICATIONS IN THE FIELD OF LIGHTING





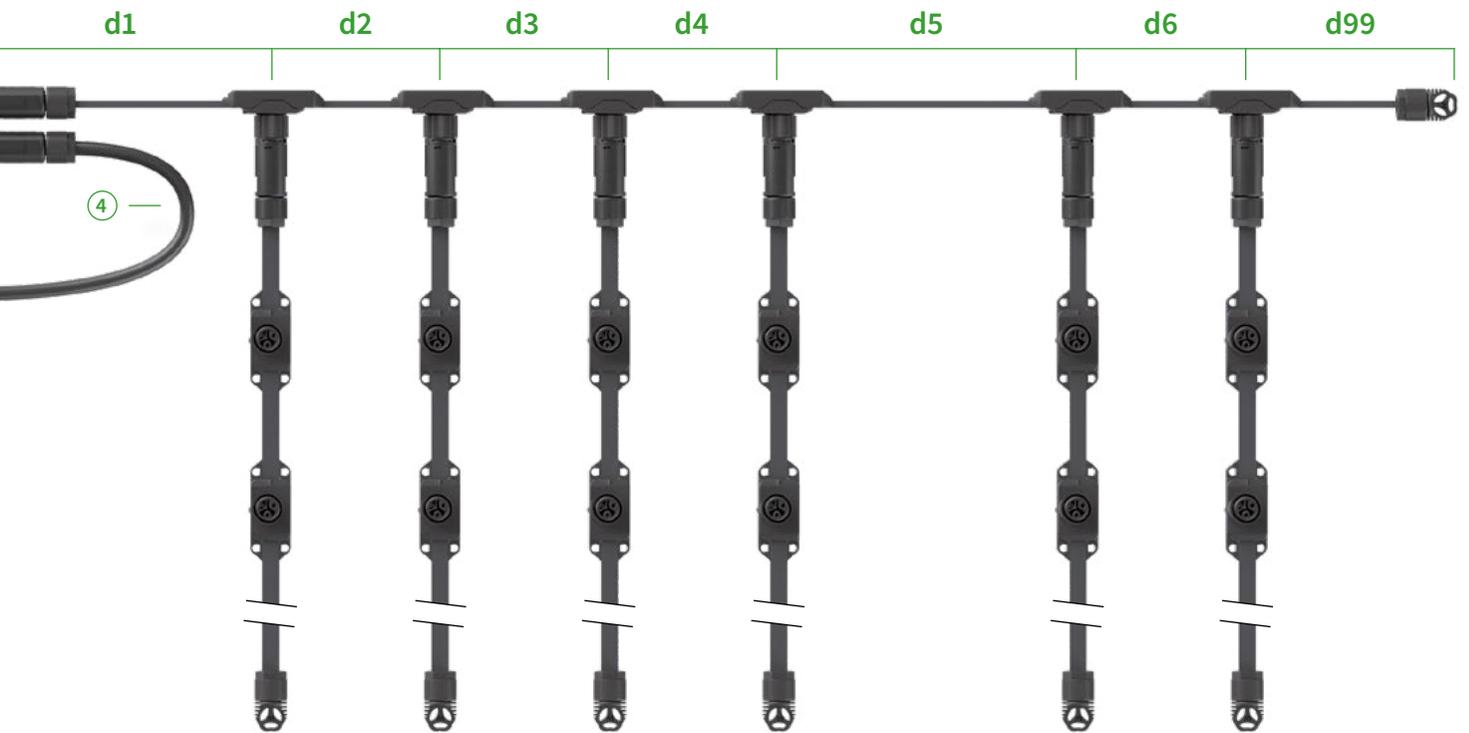
### TECHNICAL FEATURES

- Rated voltage: 250 V
- Rated current: 16 A
- Approval: TÜV certified
- Cable type: 2x2.5 mm<sup>2</sup>, PUR or FRNC
- Material: Polyamide, halogen-free



### COMPONENTS OVERVIEW

①	<b>FEED-IN CONNECTOR</b>	<b>Type</b>	<b>Coding</b>	<b>Art. No.</b>	
		Female	black	46.031.4554.1	
		Female	brown	46.031.4551.4	
②	<b>TAP-OFF CONNECTOR</b>	<b>Type</b>	<b>Coding</b>	<b>Art. No.</b>	
		Male	black	46.032.4554.1	
		Male	brown	46.032.4551.4	
③	<b>DEVICE CONNECTOR FOR ELECTRICAL DEVICES</b>	<b>Type</b>	<b>Coding</b>	<b>Art. No.</b>	
		Male	black	46.032.5054.1	
		Male	brown	46.032.5051.4	
④	<b>CABLE ASSEMBLIES</b>	<b>Type</b>	<b>Coding</b>	<b>Leitungstyp</b>	<b>Art. No.</b>
		Connecting cable, female - male	black	H07RN-F   2x 2,5 mm <sup>2</sup>	46.423.x030.1
		Connecting cable, female - male	brown	H07RN-F   2x 2,5 mm <sup>2</sup>	46.423.x032.4
		Connecting cable, female - male	black	H07RN-F   2x 1,5 mm <sup>2</sup>	46.422.x030.1
		Connecting cable, female - male	brown	H07RN-F   2x 1,5 mm <sup>2</sup>	46.422.x032.4
		Connecting cable, male - open end	black	H07RN-F   2x 1,5 mm <sup>2</sup>	46.422.x034.1
		Anschlussleitung, male - open end	brown	H07RN-F   2x 1,5 mm <sup>2</sup>	46.422.x038.4
x = meters (1-8)					
⑤	<b>DISTRIBUTION BLOCK</b>	<b>Type</b>	<b>Coding</b>	<b>Art. No.</b>	
		Distribution block, 1 input / 2 outputs	black	46.030.1254.1	
		Distribution block, 1 input / 2 outputs	brown	46.030.1251.4	
⑥	<b>COVER PIECE</b>	<b>Type</b>	<b>Art. No.</b>		
		Cover piece für Tap-off	06.563.8753.1		



## CONFIGURE YOUR RST® NRG 2X2,5 MM<sup>2</sup> FLAT CABLE

### 1. CAPTURE DATA

We only need a few details to configure your individual pre-assembled flat cable.

#### Coding



**Mains 250 V**  
black



**Extra-low voltage**  
brown



#### Cable type



**PUR**  
2x2.5



**FRNC**  
2x2.5 (B2ca)



#### Execution of flat cable end



**Connectors**  
plug-in continua-  
tion of the flat cable



**End piece**  
for terminating  
the flat cable



#### Distance ...

**d1** ... between the feed-in con-  
nector and the first tap-off  
(minimum 20 cm\*)

**d99** ... between last tap-off  
and end piece  
(minimum 20 cm\*)

**d2-  
d98** ... between each tap-off  
(minimum 20 cm, distances may vary)

\*Standard length. Deviations available on request.

### 2. START INQUIRY



Please send us the data collected  
here by email (click on the icon to send  
or to [building@wieland-electric.com](mailto:building@wieland-electric.com))  
or call us on +49 951 9324-996.

### 3. RECEIVE ORDER



The flat cable strands are individually  
wound, packaged and marked with a  
customer-specific label.



# wieland

## HEADQUARTERS

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