

Copper surcharge calculation

$$\text{copper surcharge} \left(\frac{\text{€}}{\text{km}} \right) = \text{copper number} \left(\frac{\text{kg}}{\text{km}} \right) * \frac{(\text{DEL} + 1\% \text{ subscription}) - \text{copper base}}{100}$$

The copper base:

For most of our cables the price lists include a share of the copper price. The copper base is indicated in EUR per 100 kg.

Kupferbasis 150 € / 100 kg for most of the cables
 Kupferbasis 100 € / 100 kg for telephone cables and other kind of cables
 Kupferbasis 0 € / 100 kg for underground cables

The copper number:

The copper number is the copper weight of a cable. The price lists show the copper number for each article. The copper number is indicated in kg / km.

Example:

H05BQ-F 2 x 0,75 mm²
 Copper number: 14,4 kg / km
 This means that 1000 meter of this cable includes 14,4 kg copper.

The copper price:

The cables will be sold on the base of daily copper prices (DEL). The DEL is the stock exchange listing for German electrolytic copper for purposes of conducting capacity. It means 99,5% pure copper. The DEL is stated in EUR per 100 kg and is listed in the economic part of the daily newspaper.

Example:

DEL 183,00 means:
 100 kg copper (Cu) will be charged of 183,00 EUR
 In addition to the daily stock exchange will be charged 1% subscription.

Price calculation including copper surcharge

To calculate the copper surcharge we take the formula above.

Our Example:

H05BQ-F 2 x 0,75 mm ²	
DEL	183,00 EUR / 100 kg
Cu Base	150,00 EUR / 100 kg
Cu Number	14,4 kg / km

$$\text{copper surcharge} = 14,4 * \frac{(183,00 + 1,83) - 150}{100} = 5,02 \text{ EUR/km}$$

<i>net price + copper surcharge = sales price</i>
