



## DEL-Notation

### Metal Accounting of Copper Cables

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#### Metal Accounting of Copper Cables

Due to high amounts of metal in cables and wires, these cables will be sold following the daily actual metal pricing of copper, aluminium and lead. The cable price consists of a fixed and a variable part: The fixed part contains all manufacturing and additional cost as well as costs for all non-metallic ingredients. The variable part is the metal price on an earlier fixed metal basis and will be adjusted according to daily actual metal price one day after receipt of order.

#### Metal Price

Cables and wires are sold on a daily price basis for metals like copper, aluminium or lead. For adjusting the cable price the DEL-notation (German notation for electrolytic copper for conductors), an amount dependent on metal exchange, is used and quoted in €/100 kg for copper (Cu), aluminium (Al) and lead (Pb).

Example: DEL-notation (Cu) 174,62 €/100kg = 100 kg electrolytic copper cost 174,62 €

For cable and wires 1 % procurement cost have to be added to daily notation. Therewith the price for 100 kg electrolytic copper at actual date amounts up to:

$$174,62 \text{ €/100kg} + 1\% = 175,37 \text{ €/100kg}$$

#### Metal Number

The metal number is the metal weight to be accounted for of copper, aluminium, and lead for cables and wires. It is quoted in the technical characteristics for the products.

Example: Signalling cable acc. Dlk 1.013.107 y: A-2Y2YB2Y 20 x 1 x 1,4 S (H145)  
Copper number acc. to data sheet: 312 kg/km

#### Metal Basis

In price lists for cables part of the copper price and also of other materials as aluminium and lead is quoted on the basis of the metal number. This metal price is quoted in Euro per 100 kg:

for telecommunication and signalling cables: 100,00 €/100 kg

#### Accounting of Metal Surcharge

$$\text{metal surcharge [€/km]} = \frac{(\text{DEL} + 1\% \text{ procurement cost [€/100 kg]} - \text{metal basis [€/100 kg]})}{100} \times \text{metal number [kg/km]}$$

Example: Signalling cable acc. Dlk 1.013.107 y: A-2Y2YB2Y 20 x 1 x 1,4 S (H145)  
Copper number acc. data sheet: 312 kg/km  
DEL-notation: 174,65 €/100 kg Cu

$$\text{metal surcharge} = \frac{(174,65 \text{ €/100kg} + 1\%) - 100 \text{ €/100 kg}}{100} \times 312 \text{ kg/km} = 238,33 \text{ €/km}$$

Copper surcharge amounts therewith up to 238.33 €/km cable and will be accounted for with issue of invoice and added to offered price (on copper basis).