



### Type Cable structure

Inner conductor diameter 1:  
Inner conductor diameter 2:  
Core insulation 1:  
Core insulation 2:  
Core colours 1:  
Core colours 2:  
Stranding element 1:  
Shielding 1:  
Shielding 2:  
Total shielding:  
Outer sheath material:  
Cable external diameter:  
Outer sheath colour:

### Drag chain applications 1x2x0.65 mm + 3x1x0.75 mm<sup>2</sup> (stranded)

Copper, bare (AWG 22/19)  
Copper, bare (AWG 18/24)  
Foam-skin-PE  
PVC  
rd, gn  
bk, bu, gnye  
Double core  
Polyester foil over stranded bundle  
Foil + braid  
Polyester foil  
PUR  
9,5 mm ± 0,5 mm  
Petrol similar to RAL 5018

### Mobile use 1x2x0.65 mm + 4x1x1.5 mm<sup>2</sup> (stranded)

Copper, bare (AWG 24/19)  
Copper, bare (AWG 18/84)  
Foam-skin-PE  
TPM  
rd, gn  
bk, bk, bk, bk  
2 cores + 2 fillers stranded together  
Polyester foil over stranded bundle  
Foil + braid  
-  
TPU  
11,0 mm ± 0,3 mm  
Violet similar to RAL 4001

### Electrical data

Characteristic impedance:  
Conductor resistance:  
Insulation resistance:  
Mutual capacitance:  
Test voltage:  
Attenuation:

150 Ohm ± 10 %  
84,0 Ohm/km max.  
1,00 GOhm x km min.  
30,0 nF/km nom.  
1,5 kV  
9,6 kHz < 3,0 dB/Km  
38,4 kHz < 5,0 dB/Km  
4 MHz < 25,0 dB/Km  
16 MHz < 52,0 dB/Km

150 Ohm ± 15,00 %  
89,9 Ohm/km max.  
1,00 GOhm x km min.  
30,0 nF/km nom.  
1,5 kV  
9,6 kHz 3,0 dB/km  
38,4 kHz 5,0 dB/km  
4 MHz 30,0 dB/km  
16 MHz 60,0 dB/km

### Technical data

Weight:  
Min. bending radius for laying:  
Operating temperature range min.:  
Operating temperature range max.:  
Caloric load, approx value:  
Copper value:

approx. 105,0 kg/km  
140,0 mm  
-5 °C  
+60 °C  
1,97 MJ/m  
46,0 kg/km

approx. 159,0 kg/km  
165,0 mm  
-20 °C  
+60 °C  
2,84 MJ/m  
90,0 kg/km

### Norms

Applicable standards:  
UL Style:

Profibus acc. to DIN 19245 T3 and EN50170  
AWM Style 20351

Profibus acc. to DIN 19245 T3 and EN50170  
None

### Application

The Profibus-ET200X and Profibus ECOFAST lines used in the area of process automation. These BUS systems are a very economical solution for the cell and field area. For the information exchange between different automation systems as well as for communication with the connected decentralized field units, serial field bus systems are used. The series ET200X and DESINA® hybrid are characterized by a special construction with data and power supply in one cable. These types are suited for the application in drag chains and similar mobile applications.

### Part no.

82913, Profibus L2

800044, Profibus L2