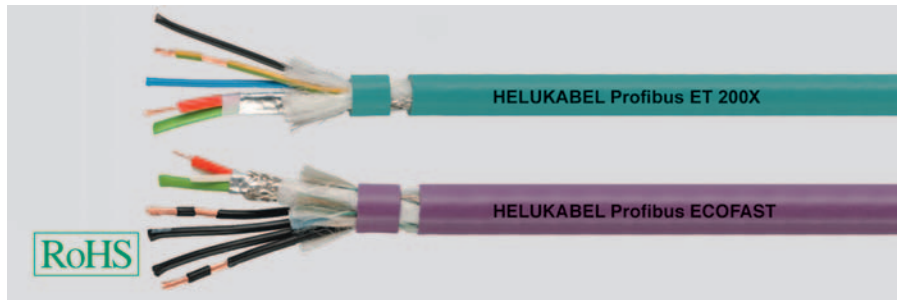
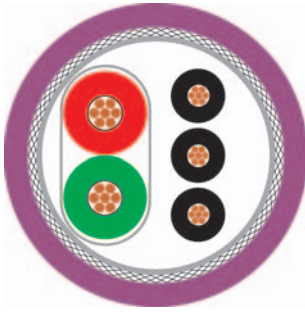


BUS Cables

Profibus

HELUKABEL®

ET200X + ECOFAST



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 mm² (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
app. 9,7 mm ± 0,5 mm
Petrol similar to RAL 5018

Drag chain applications 1x2x0.65 mm + 4x1x1.5 mm² (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
app. 11,5 mm ± 0,3 mm
Violet similar to RAL 4001

Electrical data

Characteristic impedance:
Conductor resistance, max.:
Insulation resistance, min.:
Loop resistance:
Mutual capacitance:
Test voltage:
Relative propagation velocity:
Attenuation:

150 Ohm ± 10 %
73 Ohm/km
1 GOhm x km
145 Ohm/km max.
30 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 %
73 Ohm/km
1 GOhm x km
145 Ohm/km max.
30 nF/km nom.
1,5 kV
81 %
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:
bending radius, repeated:
Operating temperature range min.:
Operating temperature range max.:
Caloric load, approx. value:
Copper weight:

app. 105 kg/km
140 mm
-5°C
+60°C
1,973 MJ/m
46,00 kg/km

app. 159 kg/km
165 mm
-15°C
+60°C
2,835 MJ/m
90,00 kg/km

Norms

Applicable standards:

Profibus acc. to DIN 19245 T3 and EN50170
Halogen-free acc. to 60754-2

Profibus acc. to DIN 19245 T3 and EN50170
Halogen-free acc. to 60754-2
Flame-retardant acc. to IEC 60332-1
UL Style 20233

UL Style:

AWM Style 20236 AWM I/II A/B 80°C 30V
FT1

Application

HELUKABEL® Profibus ET200X + Ecofast Hybrid cables are designed for continuous motion in cable carriers. The hybrid construction integrates the power supply next to the Profibus in one cable. The type ET200X offers three 0,75mm² power conductors, while the type Ecofast 4 has 1,5mm² power conductors and greater current-carrying capacity.

Part no.

82913, Profibus L2

800044, Profibus L2

Dimensions and specifications may be changed without prior notice.