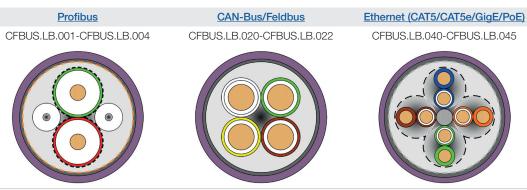
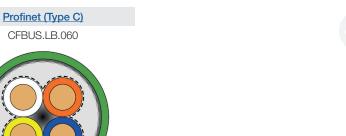
# chainflex® CFBUS.LB

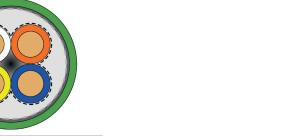


Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded Oil and bio-oil resistant
 Low-temperature-flexible
 PVC and halogen-free
 Hydrolysis and microbe-resistant

































# chainflex® CFBUS.LB



Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

#### Cable structure



Stranded conductor in especially bending-resistant version consisting of bare copper wires (following DIN EN 60228).



Core insulation According to bus specification.



Core structure

According to bus specification.



Core identification

According to bus specification.



Inner jacket

▶ Product range table

TPE mixture adapted to suit the requirements in e-chains®.



Extremely bending-resistant braiding made of tinned copper wires.



Overall shield

Outer jacket

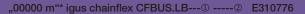
Coverage approx. 70 % linear, approx. 90 % optical



Low-adhesion, extremely abrasion-resistant and highly flexible TPE mixture, adapted to suit the requirements in e-chains®.

Colour: Red lilac (similar to RAL 4001), Variants ▶ Product range table







| © Comonn                    | www.igus.ue                 | TTT CHAITIICA CAL       |
|-----------------------------|-----------------------------|-------------------------|
|                             |                             |                         |
| <b>Lenath printina:</b> Not | t calibrated. Only intended | l as an orientation aid |

① / ② Cable identification according to Part No.(see technical table).
 ③ Printing according to bus specification (inclusive wave resistance).

Example: ... chainflex ... CFBUS.LB.001 ... (2x0.25)C ... EAC ...

### Guaranteed service life according to guarantee conditions

| Double strokes            |                     | llion               |                     | nillion             | 12.5 r              | million             |
|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Temperature, from/to [°C] | CFBUS.LB<br>.001022 | CFBUS.LB<br>.040060 | CFBUS.LB<br>.001022 | CFBUS.LB<br>.040060 | CFBUS.LB<br>.001022 | CFBUS.LB<br>.040060 |
|                           | R min.<br>[x d]     |
| -35/-25                   | 12.5                | 10                  | 13.5                | 11                  | 14.5                | 12                  |
| -25/+60                   | 10                  | 7.5                 | 11                  | 8.5                 | 12                  | 9.5                 |
| +60/+70                   | 12.5                | 10                  | 13.5                | 11                  | 14.5                | 12                  |

Minimum guaranteed service life of the cable under the specified conditions. The installation of the cable is recommended within the middle temperature range.















ole works +++















# chainflex® CFBUS.LB



Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Properties and approvals



UV resistance Medium



Oil resistance Oil-resistant (following DIN EN 60811-404), bio-oil-resistant (following VDMA 24568

with Plantocut 8 S-MB tested by DEA), Class 4



Silicone-free Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992)



**Halogen-free** Following DIN EN 60754



PFAS-free Use of PFAS-free materials according to the content of the REACH directive

and its rules for the production and processing of chemical substances



UL verified Certificate No. B129699: "igus 36-month chainflex cable guarantee and service life

calculator based on 2 billion test cycles per year"



**UL AWM** Details siehe Tabelle UL AWM



CFBUS.LB.049: CC-Línk | Field, Reference no. 138



**REACH** In accordance with regulation (EC) No. 1907/2006 (REACH)



**Lead-free** Following 2011/65/EC (RoHS-II/RoHS-III)



Cleanroom According to ISO Class 1. The outer jacket material of this series complies with

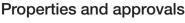
CF9.15.07 - tested by IPA according to standard DIN EN ISO 14644-1



**DESINA** According to VDW, DESINA standardisation



Following 2014/35/EU



UL AWM details

| Part no.     | UL style core insultation | UL style outer jacket | UL Voltage Rating | UL Temperature<br>Rating |
|--------------|---------------------------|-----------------------|-------------------|--------------------------|
|              |                           |                       | [V]               | [°C]                     |
| CFBUS.LB.001 | 11807                     | 22354                 | 600               | 80                       |
| CFBUS.LB.020 | 11807                     | 22354                 | 600               | 80                       |
| CFBUS.LB.021 | 11807                     | 22354                 | 600               | 80                       |
| CFBUS.LB.022 | 11807                     | 22354                 | 600               | 80                       |
| CFBUS.LB.040 | 11632                     | 22354                 | 600               | 80                       |
| CFBUS.LB.045 | 11632                     | 22354                 | 600               | 80                       |
| CFBUS.LB.049 | 11632                     | 22354                 | 600               | 80                       |
| CFBUS.LB.060 | 11632                     | 22354                 | 600               | 80                       |
|              |                           |                       |                   |                          |





























# chainflex® CFBUS.LB



Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

#### Dynamic information



Bend radius

e-chain® linear flexible fixed

minimum 7.5 x d minimum 6 x d minimum 4 x d



Temperature

e-chain® linear flexible

-35 °C up to +70 °C -50 °C up to +70 °C (following DIN EN 60811-504) -55 °C up to +70 °C (following DIN EN 50305)



v max.

unsupported gliding 10 m/s 6 m/s



a max.

Travel distance

100 m/s<sup>2</sup>

fixed

Unsupported travel distances and up to 400 m for gliding applications, Class 6

CFRIP III

Guarantee

guarantee and

These values are based on specific applications or tests. They do not represent the limit of what is technically feasible.

# C (VL) U

#### Typical lab test setup for this cable series

Test bend radius R
Test travel S

approx. 75 - 100 mm approx. 1 - 15 m

Test duration

minimum 2 - 4 million double strokes

Test speed
Test acceleration

approx. 0,5 - 2 m/s

approx. 0.5 - 1.5 m / s<sup>2</sup>











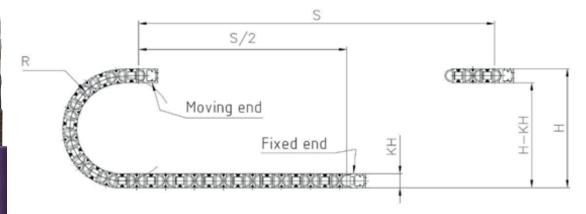












### Typical application areas

- For heaviest duty applications, Class 7
- Unsupported travel distances and up to 400 m and more for gliding applications, Class 6
- Almost unlimited resistance to oil, also with bio-oils, Class 4
- No torsion, Class 1
- Indoor and outdoor applications without direct solar radiation
- Storage and retrieval units for high-bay warehouses, Machining units/machine tools, quick handling, Clean room, semiconductor insertion, indoor cranes, low temperature applications

CFBUS,LB,049

# chainflex® CFBUS.LB



Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

#### **Technical tables:**

| Machaniaal   | information |
|--------------|-------------|
| iviechanicai | ппоппапоп   |

| Part No.                       |                   | Number of cores and conductor<br>nominal cross section<br>[mm²] | Outer diameter (d)<br>max.<br>[mm] | Copper<br>index<br>[kg/km] | Weight [kg/km] |
|--------------------------------|-------------------|-----------------------------------------------------------------|------------------------------------|----------------------------|----------------|
| Profibus (1x2x0,64 mr          | n)                |                                                                 |                                    |                            |                |
| CFBUS.LB.001                   |                   | (2x0.25)C                                                       | 9.0                                | 33                         | 78             |
| CAN-Bus                        |                   |                                                                 |                                    |                            |                |
| CFBUS.LB.020 <sup>2)</sup>     |                   | (4x0.25)C                                                       | 6.5                                | 28                         | 49             |
| CFBUS.LB.021                   |                   | (2x0.5)C                                                        | 8.0                                | 39                         | 67             |
| CFBUS.LB.022 <sup>2)</sup>     |                   | (4x0.5)C                                                        | 8.0                                | 43                         | 78             |
| Ethernet/CAT5                  |                   |                                                                 |                                    |                            |                |
| CFBUS.LB.040 <sup>2)</sup>     | Ether <b>CAT.</b> | (4x0.25)C                                                       | 7.0                                | 33                         | 50             |
| Ethernet/CAT5e                 |                   |                                                                 |                                    |                            |                |
| CFBUS.LB.045                   | CC-Línk IE 🛮 seld | (4x(2x0.15))C                                                   | 8.5                                | 42                         | 71             |
| Ethernet/CAT6                  |                   |                                                                 |                                    |                            |                |
| CFBUS.LB.049                   | CC-Link IE Bald   | (4x(2x0.15))C                                                   | 8.5                                | 42                         | 71             |
| Profinet                       |                   |                                                                 |                                    |                            |                |
| CFBUS.LB.060 <sup>2) 13)</sup> | DODGE EnerCAT     | (4x0.38)C                                                       | 7.5                                | 39                         | 67             |
|                                |                   |                                                                 |                                    |                            |                |



<sup>13)</sup> Colour outer jacket: Yellow-green (RAL 6018)

G = with green-yellow earth core

 $\mathbf{x}$  = without earth core

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits.





























# chainflex® CFBUS.LB



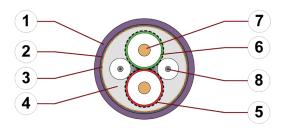
Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

#### **Profibus**

CFBUS.LB.001-CFBUS.LB.004

#### Cable structure

(Electrical information please see next page)



- Outer jacket: Pressure extruded, halogen-free TPE mixture
- 2. Shield: Extremely bending-resistant braiding made of tinned copper wires
- 3. Shield foil: Kupfer kaschierte Kunststofffolie
- Inner jacket: Pressure extruded, gusset-filling TPE mixture
- 5. Banding: Plastic foil
- 6. Core insulation: Mechanically high quality TPE mixture (according to bus specification)
- Conductor: Fine-wire strand in especially bending-stable version consisting of bare copper wires
- 8. Filling: Plastic dummy



























#### Example image

For detailed overview please see design table

#### Design table

| Boolgii tabic |            |                                          |             |
|---------------|------------|------------------------------------------|-------------|
| Part No.      | Core group | Colour code                              | Core design |
| CFBUS.LB.001  | (2x0.25)C  | red, green                               |             |
| CFBUS.LB.004  | (4x0.25)C  | green, yellow, red, brown<br>(Star-quad) |             |
|               |            |                                          |             |

igus" chainflex" CFBUS,LB.949

# chainflex® CFBUS.LB



Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

#### **Profibus**

CFBUS.LB.001-CFBUS.LB.004

#### **Electrical information**

(Cable structure please see previous page)

| Part No.                                                       | CFBUS.LB.001                 | CFBUS.LB.004 |  |
|----------------------------------------------------------------|------------------------------|--------------|--|
| Nominal voltage                                                | 50 V<br>600 V (following UL) |              |  |
| Testing voltage<br>(following DIN EN 50289-1-3)                | 500 V                        |              |  |
| Characteristic wave impedance<br>(following DIN EN 50289-1-11) | 150 ± 15 Ω (at 20 MHz)       |              |  |

| Part No.     | 9.6<br>kHz | 38.4<br>kHz | 4<br>MHz | 16<br>MHz |
|--------------|------------|-------------|----------|-----------|
| CFBUS.LB.001 | 0.3        | 0.4         | 2.6      | 5.5       |
| CFBUS.LB.004 | 0.3        | 0.4         | 2.6      | 5.5       |

| Conductor<br>nominal cross<br>section | Part No.     | Maximum conductor resistance at 20 °C (following DIN EN 50289-1-2) | Maximum current rating at 30 °C (following DIN VDE 0298-4) |
|---------------------------------------|--------------|--------------------------------------------------------------------|------------------------------------------------------------|
| [mm²]                                 |              | [Ω/km]                                                             | [A]                                                        |
| 0.25                                  | CFBUS.LB.001 | 68                                                                 | 5                                                          |
| 0.25                                  | CFBUS.LB.004 | 82                                                                 | 5                                                          |































# chainflex® CFBUS.LB



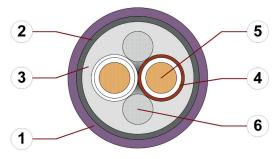
Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

#### **CAN-Bus/Feldbus**

CFBUS.LB.020-CFBUS.LB.022

#### Cable structure

(Electrical information please see next page)





For detailed overview please see design table

- Outer jacket: Pressure extruded, halogen-free TPE mixture
- 2. Overall shield: Extremely bending-resistant braiding made of tinned copper wires
- 3. Inner jacket: Pressure extruded, gusset-filling TPE mixture
- 4. Core insulation: Mechanically high quality TPE mixture (according to bus specification)
- 5. Conductor: Fine-wire strand in especially bending-stable version consisting of bare copper wires
- 6. Filling: Plastic yarn





























#### Design table

| Part No.     | Core group | Colour code                                | Core design |
|--------------|------------|--------------------------------------------|-------------|
| CFBUS.LB.020 | (4x0.25)C  | white, green, brown, yellow (Star-quad)    |             |
| CFBUS.LB.021 | (2x0.5)C   | white, brown                               |             |
| CFBUS.LB.022 | (4x0.5)C   | white, green, brown, yellow<br>(Star-quad) |             |

# chainflex® CFBUS.LB



Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

#### **CAN-Bus/Feldbus**

CFBUS.LB.020-CFBUS.LB.022

#### **Electrical information**

(Cable structure please see previous page)

| Part No.                                                       | CFBUS.LB.020                 | CFBUS.LB.021 | CFBUS.LB.022 |  |
|----------------------------------------------------------------|------------------------------|--------------|--------------|--|
| Nominal voltage                                                | 50 V<br>600 V (following UL) |              |              |  |
| Testing voltage<br>(following DIN EN 50289-1-3)                | 500 V                        |              |              |  |
| Characteristic wave impedance<br>(following DIN EN 50289-1-11) | 120 ± 12 Ω (at 1 MHz)        |              |              |  |

| Conductor<br>nominal cross<br>section | Part No.     | Maximum conductor resistance at 20 °C (following DIN EN 50289-1-2) | C Maximum current rating at 30 °C (following DIN VDE 0298-4) |
|---------------------------------------|--------------|--------------------------------------------------------------------|--------------------------------------------------------------|
| [mm²]                                 |              | [Ω/km]                                                             | [A]                                                          |
| 0.25                                  | CFBUS.LB.020 | 79                                                                 | 5                                                            |
| 0.5                                   | CFBUS.LB.021 | 41                                                                 | 10                                                           |
| 0.5                                   | CFBUS.LB.022 | 44.1                                                               | 10                                                           |

































# chainflex® CFBUS.LB



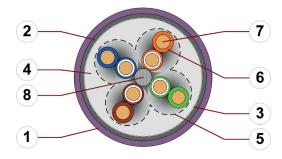
Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Ethernet (CAT5/CAT5e/GigE/PoE)

CFBUS.LB.040-CFBUS.LB.045

#### Cable structure

(Electrical information please see next page)



- Outer jacket: Pressure extruded, halogen-free TPE mixture
- 2. Overall shield: Extremely bending-resistant braiding made of tinned copper wires
- 3. Shield foil: Aluminium clad plastic foil
- Inner jacket: Pressure extruded, gusset-filling TPE mixture
- 5. Banding: Plastic fleece
- 6. Core insulation: Mechanically high quality TPE mixture (according to bus specification)
- Conductor: Fine-wire strand in especially bending-stable version consisting of bare copper wires
- 8. Strain relief: Tensile stress-resistant centre element



























#### Example image

For detailed overview please see design table

#### Design table

| Part No.     | Core group    | Colour code                                                                       | Core design |
|--------------|---------------|-----------------------------------------------------------------------------------|-------------|
| CFBUS.LB.040 | (4x0.25)C     | white, green, brown, yellow (Star-quad)                                           |             |
| CFBUS.LB.045 | (4x(2x0.15))C | white-blue/blue, white-orange/<br>orange, white-green/green,<br>white-brown/brown |             |
|              |               |                                                                                   |             |

# chainflex® CFBUS.LB



Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Ethernet (CAT5/CAT5e/GigE/PoE)

CFBUS.LB.040-CFBUS.LB.045

#### **Electrical information**

(Cable structure please see previous page)

| Part No.                                                       | CFBUS.LB.040 CFBUS.LB.045    |      |  |
|----------------------------------------------------------------|------------------------------|------|--|
| Nominal voltage                                                | 50 V<br>600 V (following UL) |      |  |
| Testing voltage<br>(following DIN EN 50289-1-3)                | 500 V                        |      |  |
| Operating capacity                                             | 50 pF/m 60 pF/m              |      |  |
| Nominal Velocity of Propagation (NVP)                          | 66 %                         | 67 % |  |
| Characteristic wave impedance<br>(following DIN EN 50289-1-11) | 100 ± 25 Ω                   |      |  |



| Part No.     | 1<br>MHz | 4<br>MHz | 10<br>MHz | 16<br>MHz | 20<br>MHz | 31.25<br>MHz | 62.5<br>MHz | 100<br>MHz |
|--------------|----------|----------|-----------|-----------|-----------|--------------|-------------|------------|
| CFBUS.LB.040 | 3.2      | 6.0      | 9.5       | 12.1      | 13.6      | 17.1         | 24.8        | 32.0       |
| CFBUS.LB.045 | 3.2      | 6.0      | 9.5       | 12.1      | 13.6      | 17.1         | 24.8        | 32.0       |

| Conductor nominal cross section [mm²] | Maximum conductor resistance at 20 °C (following DIN EN 50289-1-2) [Ω/km] | Maximum current rating at 30 °C (following DIN VDE 0298-4)  [A] |
|---------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------|
| 0.15                                  | 111                                                                       | 2.5                                                             |
| 0.25                                  | 70                                                                        | 5                                                               |

| Part No.     | Bus type       | Link class                                     | Maximum transmission length |
|--------------|----------------|------------------------------------------------|-----------------------------|
| CFBUS.LB.040 | Ethernet/CAT5  | Class D -<br>(Data applications up to 100 MHz) | 60 m                        |
| CFBUS.LB.045 | Ethernet/CAT5e | Class D -<br>(Data applications up to 100 MHz) | 60 m                        |





























# chainflex® CFBUS.LB



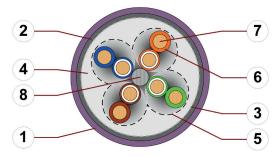
Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Ethernet (CAT6/GigE/PoE)

CFBUS.LB.049

#### Cable structure

(Electrical information please see next page)



- Outer jacket: Pressure extruded, halogen-free TPE mixture
- 2. Overall shield: Extremely bending-resistant braiding made of tinned copper wires
- 3. Shield foil: Aluminium clad plastic foil
- Inner jacket: Pressure extruded, gusset-filling TPE mixture
- 5. Banding: Plastic fleece
- 6. Core insulation: Mechanically high quality TPE mixture (according to bus specification)
- Conductor: Fine-wire strand in especially bending-stable version consisting of bare copper wires
- 8. Strain relief: Tensile stress-resistant centre element



























#### Example image

For detailed overview please see design table

### Design table

| Part No. Core group Colour code Core design                                                           |              |               |                            |             |
|-------------------------------------------------------------------------------------------------------|--------------|---------------|----------------------------|-------------|
|                                                                                                       | Part No.     | Core group    | Colour code                | Core design |
| CFBUS.LB.049 (4x(2x0.15))C white-blue/blue, white-orange/orange, white-green/green, white-brown/brown | CFBUS.LB.049 | (4x(2x0.15))C | orange, white-green/green, |             |

# chainflex® CFBUS.LB



Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Ethernet (CAT6/GigE/PoE)

CFBUS.LB.049

#### **Electrical information**

(Cable structure please see previous page)

| Part No.                                                       | CFBUS.LB.049                 |
|----------------------------------------------------------------|------------------------------|
| Nominal voltage                                                | 50 V<br>600 V (following UL) |
| Testing voltage<br>(following DIN EN 50289-1-3)                | 500 V                        |
| Operating capacity                                             | 60 pF/m                      |
| Nominal Velocity of Propagation (NVP)                          | 67 %                         |
| Characteristic wave impedance<br>(following DIN EN 50289-1-11) | 100 ± 25 Ω                   |



| Part No.     |     | 4<br>MHz |     |      |      | 31.25<br>MHz |      |      |      | 200<br>MHz | 250<br>MHz |
|--------------|-----|----------|-----|------|------|--------------|------|------|------|------------|------------|
| CFBUS.LB.049 | 3.2 | 6.0      | 9.5 | 12.1 | 13.6 | 17.1         | 24.8 | 32.0 | 40.0 | 47.5       | 55.0       |

| Conductor nominal cross section [mm²] | Maximum conductor resistance at 20 °C (following DIN EN 50289-1-2) $ [\Omega/km] $ | Maximum current rating at 30 °C (following DIN VDE 0298-4)  [A] |
|---------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 0.15                                  | 111                                                                                | 2.5                                                             |

| Part No.     | Bus type      | Link class                                     | Maximum transmission length |
|--------------|---------------|------------------------------------------------|-----------------------------|
| CFBUS.LB.049 | Ethernet/CAT6 | Class E -<br>(Data applications up to 250 MHz) | 60 m                        |































# chainflex® CFBUS.LB



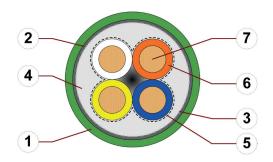
Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

# Profinet (Type C)

CFBUS.LB.060

#### Cable structure

(Electrical information please see next page)



Example image

For detailed overview please see design table

- Outer jacket: Pressure extruded, halogen-free TPE mixture
- 2. Overall shield: Extremely bending-resistant braiding made of tinned copper wires
- 3. Shield foil: Aluminium clad plastic foil
- Inner jacket: Pressure extruded, gusset-filling TPE mixture
- 5. Banding: Plastic foil
- 6. Core insulation: Mechanically high quality TPE mixture (according to bus specification)
- Conductor: Fine-wire strand in especially bending-stable version consisting of bare copper wires





























Tot detailed everylew please eee design table



| Part No.     | Core group | Colour code                             | Core design |
|--------------|------------|-----------------------------------------|-------------|
| CFBUS.LB.060 | (4x0.38)C  | white, orange, blue, yellow (Star-quad) |             |

# chainflex® CFBUS.LB



Bus cable (Class 7.6.4.1) ● For heaviest duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● Low-temperature-flexible ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Profinet (Type C)

CFBUS.LB.060

#### **Electrical information**

(Cable structure please see previous page)

| Part No.                                                                         | CFBUS.LB.060                 |  |  |
|----------------------------------------------------------------------------------|------------------------------|--|--|
| Nominal voltage                                                                  | 50 V<br>600 V (following UL) |  |  |
| Testing voltage<br>(following DIN EN 50289-1-3)                                  | 500 V                        |  |  |
| Operating capacity                                                               | 50 pF/m                      |  |  |
| Nominal Velocity of Propagation (NVP)                                            | 66 %                         |  |  |
| Characteristic wave impedance following DIN EN 50289-1-11) $100 \pm 15 \ \Omega$ |                              |  |  |



| Part No.     | 1   | 4   | 10  | 16  | 20   | 31.25 | 62.5 | 100  |
|--------------|-----|-----|-----|-----|------|-------|------|------|
|              | MHz | MHz | MHz | MHz | MHz  | MHz   | MHz  | MHz  |
| CFBUS.LB.060 | 2.4 | 4.8 | 7.6 | 9.6 | 10.7 | 13.4  | 19.0 | 24.0 |

| Conductor nominal cross section  [mm²] | Maximum conductor resistance at 20 °C (following DIN EN 50289-1-2) $ [\Omega/km] $ | Maximum current rating at 30 °C (following DIN VDE 0298-4)  [A] |
|----------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 0.38                                   | 51                                                                                 | 7                                                               |





























