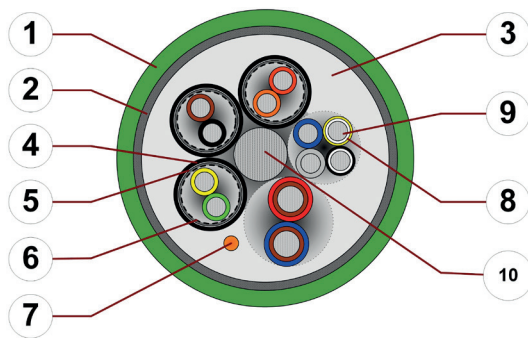


# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) ● For extremely heavy duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● PVC and halogen-free ● Hydrolysis and microbe-resistant



1. 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. Element jacket: Mechanically high-quality TPE mixture
5. Element shield: Extremely bending-resistant braiding made of tinned copper wires
6. Banding: Plastic foil
7. CFRIP: Tear strip for faster cable stripping
8. Core insulation: Mechanically high-quality TPE mixture
9. Conductor: Fine-wire strand in especially bending-stable version consisting of tinned copper wires
10. Strain relief: Tensile stress-resistant centre element

### Example image

For detailed overview please see design table

### Leitungsaufbau

|  |                            |                                                                                                                                                                                                           |
|--|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Conductor</b>           | Stranded conductor in especially bending-resistant version consisting of tinned copper wires (following DIN EN 60228).                                                                                    |
|  | <b>Core insulation</b>     | Mechanically high-quality TPE mixture.                                                                                                                                                                    |
|  | <b>Core structure</b>      | According to measuring system specification.                                                                                                                                                              |
|  | <b>Core identification</b> | According to measuring system specification.<br>► Product range table                                                                                                                                     |
|  | <b>Element shield</b>      | Extremely bending-resistant braiding made of tinned copper wires.<br>Coverage approx. 70 % linear, approx. 90 % optical                                                                                   |
|  | <b>Element jacket</b>      | TPE mixture on pair shielding adapted to suit the requirements in e-chains®.                                                                                                                              |
|  | <b>Inner jacket</b>        | TPE mixture adapted to suit the requirements in e-chains®.                                                                                                                                                |
|  | <b>Overall shield</b>      | Extremely bending-resistant braiding made of tinned copper wires.<br>Coverage approx. 70 % linear, approx. 90 % optical                                                                                   |
|  | <b>Outer jacket</b>        | Low-adhesion, extremely abrasion-resistant and highly flexible TPE mixture, adapted to suit the requirements in e-chains®.<br><b>Colour:</b> Yellow-green (similar to RAL 6018)<br><b>Printing:</b> black |
|  | <b>CFRIP®</b>              | Strip cables faster: a tear strip is moulded into the inner jacket<br>Video ► <a href="http://www.igus.eu/CFRIP">www.igus.eu/CFRIP</a>                                                                    |

„00000 m\*\*\*\* igus chainflex CF11.---.D① -----② E310776

RU AWM Style 22355 80°C 300V CE DESINA RoHS-II conform

[www.igus.eu](http://www.igus.eu) +++ chainflex cable works +++

\* **Length printing:** Not calibrated. Only intended as an orientation aid.

① / ② Cable identification according to Part No. (see technical table).

Example: ... chainflex CF11.007.D (4x0.34)C 50V ...



# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) ● For extremely heavy duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Dynamic information

|                                                                                   |                        |                                                                                |                                                                                                                         |
|-----------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <b>Bend radius</b>     | <b>e-chain® linear</b><br><b>flexible</b><br><b>fixed</b>                      | minimum 7.5 x d<br>minimum 6 x d<br>minimum 4 x d                                                                       |
|  | <b>Temperature</b>     | <b>e-chain® linear</b><br><b>flexible</b><br><b>fixed</b>                      | -35 °C up to +90 °C<br>-50 °C up to +90 °C (following DIN EN 60811-504)<br>-55 °C up to +90 °C (following DIN EN 50305) |
|  | <b>v max.</b>          | <b>unsupported</b><br><b>gliding</b>                                           | 10 m/s<br>6 m/s                                                                                                         |
|  | <b>a max.</b>          |                                                                                | 100 m/s <sup>2</sup>                                                                                                    |
|  | <b>Travel distance</b> | Unsupported travel distances and up to 400 m for gliding applications, Class 6 |                                                                                                                         |

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

### Guaranteed service life according to guarantee conditions

| Double strokes               | 5 million       |        | 7.5 million     |        | 12.5 million    |        |
|------------------------------|-----------------|--------|-----------------|--------|-----------------|--------|
|                              | < 10 m          | ≥ 10 m | < 10 m          | ≥ 10 m | < 10 m          | ≥ 10 m |
| Temperature.<br>from/to [°C] | R min.<br>[x d] |        | R min.<br>[x d] |        | R min.<br>[x d] |        |
| -35/-25                      | 8.5             | 10     | 9.5             | 11     | 10.5            | 12     |
| -25/+80                      | 6.8             | 7.5    | 7.5             | 8.5    | 8.5             | 9.5    |
| +80/+90                      | 8.5             | 10     | 9.5             | 11     | 10.5            | 12     |

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

### Electrical information

|                                                                                     |                        |                              |
|-------------------------------------------------------------------------------------|------------------------|------------------------------|
|  | <b>Nominal voltage</b> | 50 V<br>300 V (following UL) |
|  | <b>Testing voltage</b> | 500 V                        |



Example image

# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) • For extremely heavy duty applications • TPE outer jacket • Shielded • Oil and bio-oil resistant • 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                                                                                                                              |
|  | PTFE-free      | The design of these products does not contain PTFE                                                                                                  |
|  | UL verified    | Certificate No. V293560: „igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year“                |
|  | UL AWM         | Details see table UL AWM                                                                                                                            |
|  | 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                                                                                                            |
|  | CE             | Following 2014/35/EU                                                                                                                                |



# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) ● For extremely heavy duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● PVC and halogen-free ● Hydrolysis and microbe-resistant



### Properties and approvals

#### UL AWM details

| Part No.   | UL style core insulation | UL style outer jacket | UL Voltage Rating<br>[V] | UL Temperature Rating<br>[°C] |
|------------|--------------------------|-----------------------|--------------------------|-------------------------------|
| CF11.001.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.002.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.003.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.004.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.005.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.006.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.007.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.008.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.009.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.010.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.011.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.012.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.013.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.014.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.015.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.016.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.017.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.018.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.019.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.021.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.022.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.025.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.027.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.028.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.031.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.032.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.033.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.038.D | 10467                    | 22355                 | 300                      | 80                            |
| CF11.040.D | 10467                    | 22355                 | 300                      | 80                            |



Example image

# Data sheet

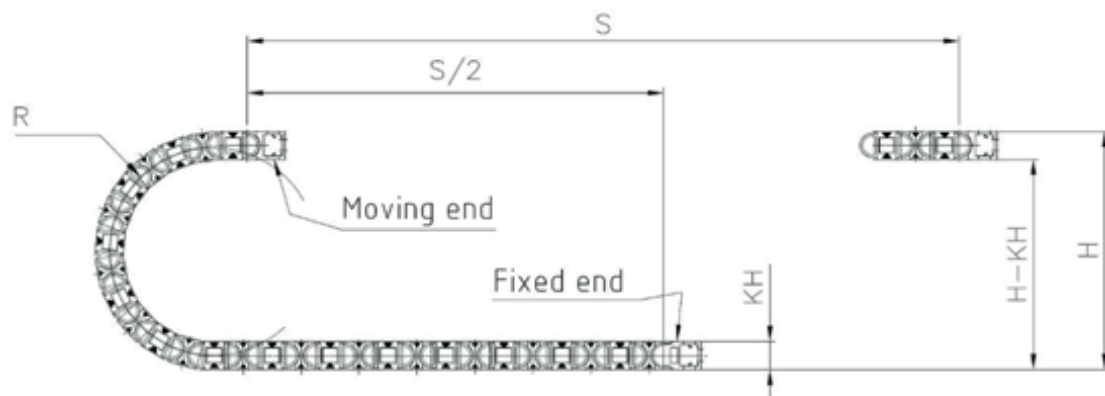
## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) ● For extremely heavy duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Typical lab test setup for this cable series

|                    |                                      |
|--------------------|--------------------------------------|
| Test bend radius R | approx. 55 - 100 mm                  |
| Test travel S      | approx. 1 - 15 m                     |
| Test duration      | minimum 2 - 4 million double strokes |
| Test speed         | approx. 0.5 - 2 m / s                |
| Test acceleration  | approx. 0.5 - 1.5 m / s <sup>2</sup> |



### Typical application areas

- For extremely heavy duty applications, Class 6
- 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

Example image



igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year





# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) ● For extremely heavy duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Technical tables:

#### Mechanical information

| Part No.                    | Number of cores and conductor nominal cross section [mm²] | Outer diameter (d) max. [mm] | Copper index [kg/km] | Weight [kg/km] |
|-----------------------------|-----------------------------------------------------------|------------------------------|----------------------|----------------|
| CF11.001.D                  | (3x(2x0.14)C+(4x0.14)+(2x0.5))C                           | 10.0                         | 71                   | 119            |
| CF11.002.D                  | (3x(2x0.14)C+2x(0.5)C)C                                   | 10.0                         | 74                   | 125            |
| CF11.003.D                  | (3x(2x0.14)+2x1.0)C                                       | 8.0                          | 56                   | 86             |
| CF11.004.D                  | (2x(2x(2x0.14))+(4x0.14)C+(4x0.5))C                       | 11.0                         | 78                   | 127            |
| CF11.005.D                  | (4x(2x0.14)+4x0.5)C                                       | 9.0                          | 60                   | 97             |
| CF11.006.D                  | (3x(2x0.14)C+(4x0.14)+(4x0.25)+(2x0.5))C                  | 10.5                         | 85                   | 139            |
| CF11.007.D <sup>2)</sup>    | (4x0.34)C                                                 | 6.0                          | 31                   | 48             |
| CF11.008.D                  | (3x(2x0.25))C                                             | 7.5                          | 36                   | 60             |
| CF11.009.D                  | (4x(2x0.25)+2x0.5)C                                       | 8.5                          | 57                   | 91             |
| CF11.010.D                  | (4x(2x0.25)+2x1.0)C                                       | 9.0                          | 68                   | 105            |
| CF11.011.D                  | (4x(2x0.34)+4x0.5)C                                       | 10.0                         | 81                   | 124            |
| CF11.012.D                  | (3x(2x0.14)C+(3x0.14)C+(4x0.14)+(2x0.14+2x0.5))C          | 11.0                         | 89                   | 140            |
| CF11.013.D                  | (3x(2x0.14)C+2x0.5)C                                      | 9.0                          | 62                   | 104            |
| CF11.014.D                  | (4x(2x0.25)C+(2x0.5))C                                    | 11.0                         | 86                   | 138            |
| CF11.015.D                  | (4x(2x0.14)+4x0.5)C                                       | 9.0                          | 60                   | 97             |
| CF11.016.D                  | (3x(2x0.25)C)C                                            | 9.5                          | 60                   | 108            |
| CF11.017.D <sup>4)</sup>    | (4x(2x0.14)+(4x0.14)C+4x1.0)C                             | 10.0                         | 100                  | 126            |
| CF11.018.D <sup>4)</sup>    | (2x(2x0.25)+2x0.5)C                                       | 6.5                          | 41                   | 51             |
| CF11.019.D <sup>4)</sup>    | (3x(2x0.25)C+(3x0.25)+2x1.0)C                             | 10.0                         | 93                   | 120            |
| CF11.021.D                  | ((4x0.25)+3x(2x0.25+2x0.5))C                              | 10.0                         | 88                   | 130            |
| CF11.022.D                  | ((2x0.25)+5x0.5)C                                         | 7.5                          | 54                   | 79             |
| CF11.025.D                  | (3x(2x0.14)C+(2x0.5)C)C                                   | 10.0                         | 72                   | 123            |
| CF11.027.D                  | (5x(2x0.14)+2x0.5)C                                       | 8.5                          | 52                   | 88             |
| CF11.028.D                  | (2x(2x0.20)+(2x0.38))C                                    | 7.5                          | 44                   | 63             |
| CF11.031.D                  | (2x(2x0.25)C+2x1.0)C                                      | 9.5                          | 69                   | 116            |
| CF11.032.D <sup>4) 5)</sup> | 3x(2x0.14)C+(3x0.14)C                                     | 8.0                          | 35                   | 71             |
| CF11.033.D <sup>4) 5)</sup> | 4x(2x0.14)C+2x(1.0)C                                      | 9.5                          | 64                   | 104            |
| CF11.038.D                  | (3x(2x0.14)+(2x0.34))C                                    | 8.0                          | 36                   | 71             |
| CF11.040.D <sup>11)</sup>   | (3x(4x0.14)+(2x0.14+2x0.34)+2x1.5)C                       | 10.0                         | 88                   | 130            |

<sup>2)</sup> The chainflex® types marked with 2) are cables designed as a star-quad.

<sup>4)</sup> Manufactured without inner jacket

<sup>5)</sup> manufactured without overall shield

<sup>11)</sup> Phase-out model

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

G = with green-yellow earth core x = without earth core



Example image



igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year



# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) ● For extremely heavy duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● PVC and halogen-free ● Hydrolysis and microbe-resistant



### Technical tables:

#### Electrical information

| Conductor nominal cross section<br>[mm²] | Maximum conductor resistance at 20 °C<br>(following DIN EN 50289-1-2)<br>[Ω/km] | Maximum current rating at 30 °C<br>[A] |
|------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------|
| 0.14                                     | 145.0                                                                           | 2.5                                    |
| 0.25                                     | 85.0                                                                            | 5                                      |
| 0.34                                     | 62.0                                                                            | 7                                      |
| 0.5                                      | 42.0                                                                            | 10                                     |
| 1.0                                      | 21.0                                                                            | 17                                     |
| 1.5                                      | 14.0                                                                            | 21                                     |

The final maximum current rating depends among other things on the ambient conditions, the type of the installation and the number of loaded cores.



igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year



# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) ● For extremely heavy duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● PVC and halogen-free ● Hydrolysis and microbe-resistant

Design table

| Part No.   | Core group     | Colour code                                            | Core design |
|------------|----------------|--------------------------------------------------------|-------------|
| CF11.001.D | 3x(2x0.14)C    | green/yellow, black/brown, red/orange                  |             |
|            | (4x0.14)       | grey/blue/white-yellow/white-black                     |             |
|            | (2x0.5)        | brown-red/brown-blue                                   |             |
| CF11.002.D | 3x(2x0.14)C    | green/yellow, black/brown, red/orange                  |             |
|            | 2x(0.5)C       | black, red                                             |             |
| CF11.003.D | 3x(2x0.14)     | white/brown, green/yellow, grey/pink                   |             |
|            | 2x1.0          | blue, red                                              |             |
| CF11.004.D | 2x(2x(2x0.14)) | (brown/green)/(yellow/violet), (grey/pink)/(red/black) |             |
|            | (4x0.14)C      | yellow-black/red-black/green-black/blue-black          |             |
|            | (4x0.5)        | brown-green/white-green/blue/white                     |             |
| CF11.005.D | 4x(2x0.14)     | white/brown, green/yellow, grey/pink, blue/red         |             |
|            | 4x0.5          | black, violet, grey-pink, red-blue                     |             |
| CF11.006.D | 3x(2x0.14)C    | green/yellow, black/brown, red/orange                  |             |
|            | (4x0.14)       | grey/blue/white-yellow/white-black                     |             |
|            | (4x0.25)       | brown-yellow/brown-grey/green-black/green-red          |             |
|            | (2x0.5)        | brown-red/brown-blue                                   |             |
| CF11.007.D | 4x0.34         | white, green, brown, yellow(Star-quad)                 |             |

Example image





# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) • For extremely heavy duty applications • TPE outer jacket • Shielded • Oil and bio-oil resistant • PVC and halogen-free • Hydrolysis and microbe-resistant

### Konstruktionstabelle

| Part No.   | Core group     | Colour code                                        | Core design |                                                                                                                  |
|------------|----------------|----------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------|
| CF11.008.D | 3x(2x0.25)     | white/brown, green/yellow, grey/pink               |             | <p>igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year</p> |
|            | 4x(2x0.25)     | brown/green, blue/violet, grey/pink, red/black     |             |                                                                                                                  |
| CF11.009.D | 2x0.5          | white, brown                                       |             |                                                                                                                  |
|            | 4x(2x0.25)     | brown/green, blue/violet, grey/pink, red/black     |             |                                                                                                                  |
| CF11.010.D | 2x1.0          | white, brown                                       |             | <p>igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year</p> |
|            | 4x(2x0.34)     | black/brown, red/orange, green/yellow, blue/violet |             |                                                                                                                  |
| CF11.011.D | 4x0.5          | black-white, red-white, yellow-white, blue-white   |             |                                                                                                                  |
|            | 3x(2x0.14)C    | green/yellow, white/grey, blue/red                 |             |                                                                                                                  |
| CF11.012.D | (3x0.14)C      | red/green/brown                                    |             | <p>igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year</p> |
|            | (4x0.14)       | grey/yellow/pink/violet                            |             |                                                                                                                  |
|            | (2x0.14+2x0.5) | blue/brown-blue/grey/brown-red                     |             |                                                                                                                  |
| CF11.013.D | 3x(2x0.14)C    | white/brown, green/yellow, grey/pink               |             |                                                                                                                  |
|            | 2x0.5          | blue, red                                          |             |                                                                                                                  |
| CF11.014.D | 4x(2x0.25)C    | white/brown, green/yellow, grey/pink, blue/red     |             | <p>igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year</p> |
|            | (2x0.5)        | black no. 1/black no. 2                            |             |                                                                                                                  |

Example image

# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) ● For extremely heavy duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Konstruktionstabelle

| Part No.   | Core group  | Colour code                                                               | Core design |
|------------|-------------|---------------------------------------------------------------------------|-------------|
| CF11.015.D | 4x(2x0.14)  | brown/green, yellow/violet, grey/pink, red/black                          |             |
|            | 4x0.5       | blue, white, brown-green, white-green                                     |             |
| CF11.016.D | 3x(2x0.25)C | white/brown, green/yellow, grey/pink                                      |             |
| CF11.017.D | 4x(2x0.14)  | red/black, brown/green, yellow/violet, grey/pink                          |             |
|            | (4x0.14)C   | blue-black/yellow-black/red-black/green-black                             |             |
|            | 4x1.0       | white-green, brown-green, blue, white                                     |             |
| CF11.018.D | 2x(2x0.25)  | red/black, grey/pink                                                      |             |
|            | 2x0.5       | white, brown                                                              |             |
| CF11.019.D | 3x(2x0.25)C | brown/green, grey/pink, red/black                                         |             |
|            | (3x0.25)    | blue/violet/yellow                                                        |             |
|            | 2x1.0       | white, brown                                                              |             |
| CF11.021.D | (4x0.25)    | white/brown/grey/black                                                    |             |
|            | 3x2x0.25    | white/yellow, white/grey, black/orange                                    |             |
|            | 3x2x0.5     | black no. 1/black no. 2, black no. 3/black no. 4, black no. 5/black no. 6 |             |
| CF11.022.D | (2x0.25)    | white/brown                                                               |             |
|            | 5x0.5       | green, yellow, grey, pink, blue                                           |             |

Example image



# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) ● For extremely heavy duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Konstruktionstabelle

| Part No.   | Core group  | Colour code                                                  | Core design |
|------------|-------------|--------------------------------------------------------------|-------------|
| CF11.025.D | 3x(2x0.14)C | green/yellow, blue/red, grey/pink                            |             |
|            | (2x0.5)     | white/brown                                                  |             |
| CF11.027.D | 5x(2x0.14)  | brown/green, yellow/grey, white/violet, red/black, pink/blue |             |
|            | 2x0.5       | white-green, white-red                                       |             |
| CF11.028.D | 2x(2x0.20)  | green/yellow, pink/blue                                      |             |
|            | (2x0.38)    | red/black                                                    |             |
| CF11.031.D | 2x(2x0.25)C | white/brown, green/yellow                                    |             |
|            | 2x1.0       | black no. 1, black no. 2                                     |             |
| CF11.032.D | 3x(2x0.14)C | green/black, yellow/black, red/black                         |             |
|            | (3x0.14)C   | grey/pink/black                                              |             |
| CF11.033.D | 4x(2x0.14)C | yellow/black, red/black, blue/black, green/black             |             |
|            | 2x(1.0)C    | white, brown                                                 |             |
| CF11.034.D | 3x(2x0.14)C | green/black, violet/black, blue/black                        |             |
|            | (4x0.14)C   | red/yellow/black-red/black-yellow                            |             |
|            | 2x(2x0.5)C  | black/white, black/brown                                     |             |

Example image



# Data sheet

## chainflex® CF11.D



Measuring system cable (Class 6.6.4.1) ● For extremely heavy duty applications ● TPE outer jacket ● Shielded ● Oil and bio-oil resistant ● PVC and halogen-free ● Hydrolysis and microbe-resistant

### Konstruktionstabelle

| Part No.   | Core group       | Colour code                                                                                               | Core design |
|------------|------------------|-----------------------------------------------------------------------------------------------------------|-------------|
| CF11.035.D | 4x(2x0.25)C      | white/brown, green/yellow, grey/pink, blue/red                                                            |             |
|            | 2x(2x0.5)        | black no. 1/black no. 2, black no. 3/black no. 4                                                          |             |
| CF11.038.D | 3x(2x0.14)       | white/brown, green/yellow, grey/pink                                                                      |             |
|            | (2x0.34)         | blue/red                                                                                                  |             |
| CF11.040.D | 3x(4x0.14)       | black/red/white-black/white-red, green/blue/white-green/white-blue, yellow/brown/white-yellow/white-brown |             |
|            | (2x0.14+ 2x0.34) | violet/orange/white-violet/white-orange                                                                   |             |
|            | 2x1.5            | white-grey, grey                                                                                          |             |



igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year



Example image