

CF240.PUR
PUR
10-12 x d

PUR Data cable | CF240.PUR

- for medium load requirements
- PUR outer jacket
- shielded
- oil-resistant and coolant-resistant
- notch-resistant
- PVC-free/halogen-free
- flame-retardant
- hydrolysis-resistant and microbe-resistant



| | | |
|--|----------------------------|--|
| | Conductor | Very finely stranded special cores of particularly high-flex design made of bare copper wires. |
| | Core insulation | Mechanically high-quality PP mixture. |
| | Core stranding | The individual cores are stranded in layers with short pitch lengths. |
| | Core identification | Colour code in accordance with DIN 47100 |
| | Intermediate layer | Foil taping over the external layer |
| | Overall shield | Extremely bending-resistant braiding made of tinned copper wires. Coverage approx. 70% linear, approx. 90% optical. |
| | Outer jacket | Low-adhesion, highly abrasion-resistant mixture on the basis of PUR, adapted to suit the requirements in energy chains® (following DIN VDE 0282 Part 10). Colour: Silver grey (similar to RAL 7001) |
| | Bending radius | moved < 10 m travel moved minimum 10 x d ≥ 10 m travel moved minimum 12 x d fixed minimum 5 x d |
| | Temperature | moved -20 °C to +80 °C fixed -40 °C to +80 °C |
| | v max. | 3 m/s, 2 m/s |
| | unsupported/gliding | |
| | a max. | 20 m/s ² |
| | Travel distance | Freely suspended travel distances and up to 50 m for gliding applications, Class 3 |
| | UV-resistant | Medium |
| | Nominal voltage | 300/300 V (following DIN VDE 0245) |
| | Testing voltage | 1500 V |
| | Oil | Oil-resistant (following DIN EN 50363-10-2), Class 3. |
| | Offshore | MUD-resistant following NEK 606 – status 2009. |
| | Flame-retardant | According to IEC 60332-1-2, CEI 20-35, FT1, VW-1 |

Image exemplary.

Class 4.3.3 (4 medium load requirements 3 travel distance up to 50 m 3 oil-resistant)

| | | |
|--|---------------------|---|
| | Silicon-free | Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992). |
| | Halogen-free | Following EN 50267-2-1. |
| | UL/CSA | Style 10493 and 20233, 300 V, 80°C |
| | NFPA | Following NFPA 79-2012 chapter 12.9 |
| | CEI | Following CEI 20-35 |
| | CE | Following 2006/95/EG |
| | Lead free | Following 2011/65/EC (RoHS-II) |
| | Clean room | According to ISO Class 1. Outer jacket material complies with CF27.07.05.02.01.D, tested by IPA according to standard 14644-1 |
| | CTP | Certified according to N° C-DE.PB49.V.00396 |
| | EAC | Certified according to N° TC RU C-DE.ME77.B.00960 |

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| Double strokes* Temperature, from/to [°C] | Travel distance [m] | 5 million | | 7,5 million | | 10 million | |
|--|------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | | R min. [factor x d] < 10 m | R min. [factor x d] ≥ 10 m | R min. [factor x d] < 10 m | R min. [factor x d] ≥ 10 m | R min. [factor x d] < 10 m | R min. [factor x d] ≥ 10 m |
| -20 / -10 | | 12,5 | 15 | 13,5 | 16 | 14,5 | 17 |
| -10 / +70 | ≤ 50 | 10 | 12,5 | 11 | 13,5 | 12 | 14,5 |
| +70 / +80 | | 12,5 | 15 | 13,5 | 16 | 14,5 | 17 |

* higher number of double strokes possible

Typical application area

- for medium load requirements
- almost unlimited resistance to oil
- indoor and outdoor applications with average sun radiation
- freely suspended travel distances and up to 50 m for gliding applications
- Machining units/machine tools, storage and retrieval units for high-bay warehouses, packaging industry, quick handling, refrigerating sector

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GUS® CHAINFLEX® CF240.PUR

Image exemplary.

| Delivery program Part No. | Number of cores and conductor nominal cross section [mm ²] | External diameter max. [mm] | Copper index [kg/km] | Weight [kg/km] |
|--------------------------------|--|-----------------------------------|----------------------------|-------------------|
| CF240.PUR.01.03 ⁽¹⁾ | (3 x 0,14)C | 5,5 | 14 | 37 |
| CF240.PUR.01.04 | (4 x 0,14)C | 6,0 | 16 | 40 |
| CF240.PUR.01.05 ⁽¹⁾ | (5 x 0,14)C | 6,0 | 18 | 45 |
| CF240.PUR.01.07 ⁽¹⁾ | (7 x 0,14)C | 6,5 | 24 | 55 |
| CF240.PUR.01.14 | (14 x 0,14)C | 8,0 | 42 | 81 |
| CF240.PUR.01.18 | (18 x 0,14)C | 8,5 | 54 | 97 |
| CF240.PUR.02.03 | (3 x 0,25)C | 6,0 | 18 | 42 |
| CF240.PUR.02.04 | (4 x 0,25)C | 6,0 | 22 | 46 |
| CF240.PUR.02.05 | (5 x 0,25)C | 6,0 | 26 | 52 |
| CF240.PUR.02.07 | (7 x 0,25)C | 7,0 | 33 | 66 |
| CF240.PUR.02.08 | (8 x 0,25)C | 7,5 | 37 | 73 |
| CF240.PUR.02.14 | (14 x 0,25)C | 8,5 | 63 | 106 |
| CF240.PUR.02.18 | (18 x 0,25)C | 9,0 | 75 | 126 |
| CF240.PUR.03.03 ⁽¹⁾ | (3 x 0,34)C | 6,0 | 27 | 49 |
| CF240.PUR.03.04 | (4 x 0,34)C | 6,5 | 31 | 55 |
| CF240.PUR.03.05 ⁽¹⁾ | (5 x 0,34)C | 7,0 | 36 | 62 |
| CF240.PUR.03.07 | (7 x 0,34)C | 8,0 | 48 | 87 |
| CF240.PUR.03.14 | (14 x 0,34)C | 9,5 | 79 | 131 |
| CF240.PUR.03.18 | (18 x 0,34)C | 10,5 | 97 | 161 |

(1) Delivery time upon inquiry.

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.**G** = with green-yellow earth core **x** = without earth core

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