PVC Servo cable | CF210.UL

for medium load requirements

PVC outer jacket

shielded

oil-resistant

flame-retardant

Conductor

Fine-wire stranded conductor in bending-resistant version consisting of bare copper wires (following EN 60228)

Core insulation

Mechanically high-quality, especially low-capacitance TPE

Core stranding

Energy conductor with signal pair elements stranded together

with elements for high tensile stresses.

Core identification

Energy conductor: Cores black with white numerals, one core green-yellow.

1. core: U / L1 / C / L+ 2. core: V / L2

3. core: W / L3 / D / L-

1 signal pair: Cores black with white numerals. 1. control core: 4 2. control core: 5 2 signal pairs: Cores black with white numerals. 1. control core: 5 2. control core: 6

3. control core: 7 4. control core: 8

Star-quad: yellow, black, red, white

Element shield Bending-resistant braiding made of tinned copper wires.

Coverage approx. 55% linear, approx. 80% optical

Intermediate jacket Foil taping over the external layer.

Overall shield

Bending-resistant braiding made of tinned copper wires.

Coverage approx. 55% linear, approx. 80% optical

Outer jacket

Low-adhesion, oil-resistant mixture on the basis of PVC, adapted to suit the requirements in energy chains® (following DIN VDE

0281 Part 13).

Colour: Pastellorange (similar to RAL 2003)

[°c] ↔ T/R moved

-5 °C to +70 °C following DIN EN 60811, part 1-4 chapter 8.2.

-20 °C to +70 °C, minimum bending radius 5 x d

+5 °C to +70 °C for use in energy chains® with > 50.000 cycles.

Minimum bending radius 10 x d.

T/R fixed

10 m/s freely suspended

a max.

50 m/s²

Freely suspended travel distances, Class 1 Travel distance

CF210.UL

UV-resistant

Medium



eplan download, configurator ▶ www.igus.eu/en/CF210UL

950 types from stock no cutting costs ...

(for up to 10 cuts of the same type)

Class 4.1.2 (4 medium load requirements 1 freely suspended 2 oil-resistant)

600/1000 V (following DIN VDE 0250). Nominal voltage

Testing voltage 4000 V (following DIN VDE 0281-2).

Oil-resistant (following DIN EN 50363-4-1), Class 2.

Flame-retardant According to IEC 60332-1-2, CEI 20-35, FT1

Silicon-free Free from silicon which can affect paint adhesion

(following PV 3.10.7 - status 1992). UL Style 10989 and 2570, 1000 V, 80 °C

CEI Following CEI 20-35

CE Following 2006/95/EG

Lead free Following 2011/55/EU (RoHS-II) RoHS

According to ISO Class 2. Outer jacket material complies with CF5.10.07, tested by IPA Clean room

according to standard 14644-1.

Typical application area

- for medium load requirements
- light oil influence
- preferably indoor applications, but also outdoor ones at temperatures > 5 °C
- especially for freely suspended travel distances
- Wood/stone processing, packaging industry, supply system, handling, adjusting equipment

Delivery program	Number of cores	External	Copper	Weight	
Part No.	and conductor	diameter	index	[kg/km]	
	nominal cross	approx. [mm]	[kg/km]		
1 signal pair shielded	section [mm²]				
CF210.UL.15.15.02.01	(4 G 1,5+(2x1,5)C)C	12,0	149	250	
CF210.UL.25.15.02.01	(4 G 2,5+(2x1,5)C)C	13,5	203	320	
CF210.UL.40.15.02.01	(4 G 4,0+(2x1,5)C)C	15,0	272	412	
CF210.UL.60.15.02.01 ⁽¹⁾	(4 G 6,0+(2x1,5)C)C	16,5	364	521	
2 signal pairs shielded					
CF210.UL.15.07.02.02	(4 G 1,5+2x(2x0,75)C)C	13,5	169	290	
CF210.UL.25.15.02.02	(4 G 2,5+2x(2x1,5)C)C	15,5	260	408	
CF210.UL.40.15.02.02	(4 G 4,0+2x(2x1,5)C)C	17,0	330	506	
CF210.UL.60.15.02.02(1)	(4 G 6,0+2x(2x1,5)C)C	18,5	425	633	

(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



CF210.UL

PVC

10 x d





igus® GmbH Cologne | Tel. +49(0)2203/9649-800 Fax -222 | info@igus.de | www.chainflex.eu