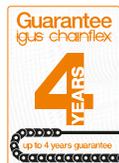


# igus® cables for robots

Harnessed dress  
packs and cables  
for robots



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



## Selection table

chainflex® readychain® and readycable®

Cable type		Page
<b>Dress packs for robots</b>		
	<b>readychain® for robots</b>	Harnessed dress packs for welding robots <b>223</b>
<b>Harnessed cables for robots</b>		
	<b>readycable® Kuka</b>	Harnessed cables for KUKA robots <b>224</b>
	<b>readycable® Fanuc</b>	Harnessed cables for Fanuc robots <b>230</b>
	<b>readycable® ABB</b>	Harnessed cables for ABB robots <b>234</b>
<b>Direct connection cables for robots</b>		
	<b>readycable® Kuka</b>	Direct connection cables for KUKA robots <b>225</b>
	<b>readycable® Fanuc</b>	Direct connection cables for Fanuc robots <b>231</b>
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<b>Cables according to AIDA specifications</b>		
	<b>readycable® AIDA</b>	Harnessed cables according to AIDA specifications <b>240</b> <span style="color: orange;">New</span>



Harnessed standard dress packs for welding robots. The packages consist of a triflex® R e-chain®, filled with chainflex® cables and hoses for the supply of energy, data and media. Users have the option of having the cables harnessed with connectors suitable for 24 manufacturer standards. The dress packs allow a quick replacement of the energy supply.

# readychain<sup>®</sup> Robot

Ready-to-install harnessed e-chain systems<sup>®</sup> for robots

Harnessed energy supply systems, connectors and cables from igus<sup>®</sup>.  
Everything from one source. Directly from the manufacturer.

## readychain<sup>®</sup> for axis 7

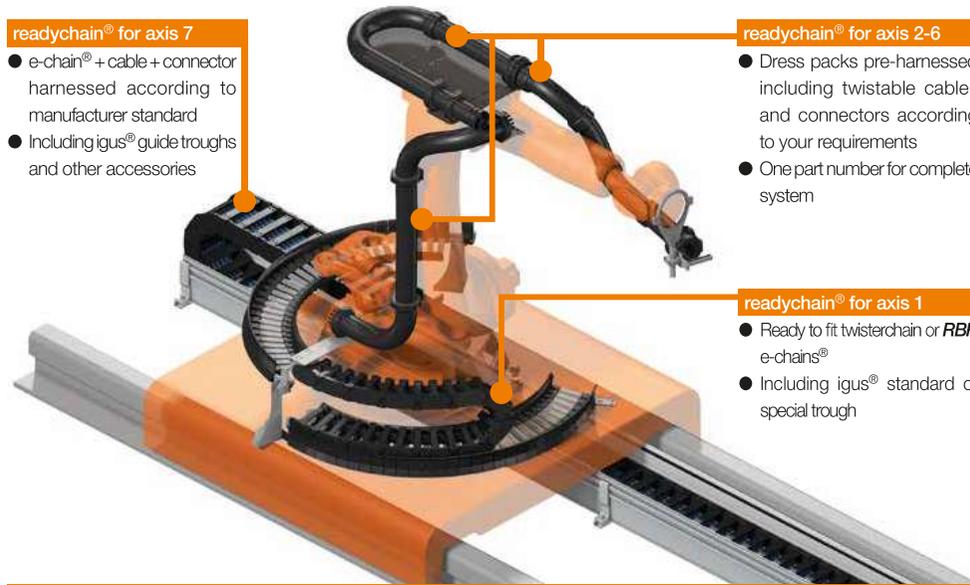
- e-chain<sup>®</sup> + cable + connector harnessed according to manufacturer standard
- Including igus<sup>®</sup> guide troughs and other accessories

## readychain<sup>®</sup> for axis 2-6

- Dress packs pre-harnessed including twistable cables and connectors according to your requirements
- One part number for complete system

## readychain<sup>®</sup> for axis 1

- Ready to fit twisterchain or RBR e-chains<sup>®</sup>
- Including igus<sup>®</sup> standard or special trough



## Additional services for you

- Survey of existing systems on your robot by our sales engineers
- Optional system guarantee
- Worldwide readychain<sup>®</sup> specialists and 11 production sites for fast maintenance and spare part support

## Energy supply for robots made easy online: around 1.5 million configuration options for energy supply components on a robot

The QuickRobot robot equipment configurator from igus<sup>®</sup> contains around 1.5 million configuration options for around 500 robot models. Find the right parts in seconds by entering just the robot manufacturer and model. The required e-chain<sup>®</sup> size can be selected by diameter. The required e-chain<sup>®</sup> size can be selected by diameter.

### More information ► [www.igus.eu/quickrobot](http://www.igus.eu/quickrobot)

All igus<sup>®</sup> robotic components are tested in our laboratory and have already been used reliably in many applications for many years. Our goal is to ensure that the whole energy supply on your robots is reliable. We do not simply focus on mechanical protection but instead look at the entire application including the cables that have also been especially developed for use on the robot. We will gladly find a solution for your application and look forward to receiving your enquiry.

We are always happy to visit you on site and show you the advantages of the modular igus<sup>®</sup> robot equipment kit.



**Matthias Meyer**

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QuickRobot sample configuration  
► Page 16

# Product range

triflex<sup>®</sup> readychain<sup>®</sup> dress packs for welding robots

## Product range dress packs for welding robots

Product range  
Part No.

Dress pack

### Welding axis 1-3

(1 m projection/side + 1 m e-chain<sup>®</sup> for each)



RRC.S.001

Consisting of:

- 1m TRLF.85.135.0, including mounting brackets
- Welding cable (2x35mm<sup>2</sup> + 1x25mm<sup>2</sup>) including multicontact TSB and TSS welding connector
- Control cable (18x0.75mm<sup>2</sup> + 5x0.75mm<sup>2</sup>) including rectangular connector on both ends
- Welding control cable (5x2x0.5mm<sup>2</sup>) including rectangular connector on both ends
- 3x hoses - DN12 red, green, blue - including fixture at both ends

### Welding axis 3-6

(1 m projection/side + 1 m e-chain<sup>®</sup> for each)



RRC.S.002

Consisting of:

- 1m TRC.85.135.0 including protectors and mounting brackets
- Welding cable (2x35mm<sup>2</sup> + 1x25mm<sup>2</sup>) including multicontact TSB and TSS welding connector
- Control cable (18x0.75mm<sup>2</sup> + 5x0.75mm<sup>2</sup>) including round connector and rectangular connector
- Welding control cable (5x2x0.5mm<sup>2</sup>) including rectangular connector on both ends
- 3x hoses - DN12 red, green, blue - including fixture at both ends

# readycable® Robot

## Harnessed cables - KUKA Quantec

Harnessed cables for KUKA Quantec, to your required length				
Part No.	chainflex® cable	Manufacturer description	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]
Motor cable (straight socket)				
MAT904105003	CFSPECIAL.792.011	X30/X30.1	(5x(2x6.0+2x2.5)+2x(6x1.0)C)C	35.5
Motor cable (angled socket)				
MAT904105004	CFSPECIAL.792.011	X30/X30.1	(5x(2x6.0+2x2.5)+2x(6x1.0)C)C	35.5
Data cable				
MAT904105005	CFBUS.PUR.H01.060	X31/X31.1	((4x0.38)C+4x1.5)C	11.5
Motor cable single axis (axis 7)				
MAT904105006	CF270.UL.25.15.02.01.D	XM.../X...	(4G2.5+(2x1.5)C)C	14.0
MAT904105007	CF270.UL.40.15.02.01.D	XM.../X...	(4G4.0+(2x1.5)C)C	15.0
Motor cable single axis (axis 7)				
MAT904105008	CF270.UL.60.15.02.01.D	XM.../X...	(4G6.0+(2x1.5)C)C	16.5
Control cable (axis 7)				
MAT904105009	CF112.02.04.02	Control cable single axis	(4x(2x0.25)C)C	11.0
Earth-core				
MAT904105010	CFPE.160.01	Connector plate/robot	1G16	9.5

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  
igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

## Direct connection cable - KUKA Quantec

Direct connection cables for KUKA Quantec, to your required length			
Part No.	chainflex® cable	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]
Motor cable (direct connection cable)			
MAT904141225	CFSPECIAL.792.011	(5x(2x6.0+2x2.5)+2x(6x1.0)C)C	35.5
Motor cable (direct connection cable)			
MAT904141226	CFSPECIAL.792.011	(5x(2x6.0+2x2.5)+2x(6x1.0)C)C	35.5
Signal cable (direct connection cable)			
MAT904141227	CFBUS.PUR.H01.060	((4x0.38)C+4x1.5)C	11.5

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  
igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable<sup>®</sup> Robot

## Harnessed cables - KUKA Fortec

Harnessed cables for KUKA Fortec, to your required length				
Part No.	chainflex <sup>®</sup> cable	Manufacturer description	Number of cores and conductor nominal cross section	Ø
			[mm <sup>2</sup> ]	[mm]
<b>Motor cable (angled socket)</b>				
				
MAT904105011	CFSPECIAL.792.014	X30.1/X30.1.1	(2x(3x1.5)C+3x(3x10)+1G10)C	35.5
MAT904105012	CFSPECIAL.792.013	X30.4/X30.4.1	((6x1.5)C+3x(3x4)+1G6)C	28.0
<b>Data cable</b>				
				
MAT904105005	CFBUS.PUR.H01.060	X31/X31.1	((4x0.38)C+4x1.5)C	11.5
<b>Motor cable single axis (axis 7)</b>				
				
MAT904105006	CF270.UL.25.15.02.01.D	XM.../X...	(4G2.5+(2x1.5)C)C	14.0
MAT904105007	CF270.UL.40.15.02.01.D	XM.../X...	(4G4.0+(2x1.5)C)C	15.0
<b>Motor cable single axis (axis 7)</b>				
				
MAT904105008	CF270.UL.60.15.02.01.D	XM.../X...	(4G6.0+(2x1.5)C)C	16.5
<b>Control cable (axis 7)</b>				
				
MAT904105013	CF112.02.04.02	Control cable single axis	(4x(2x0.25)C)C	11.0
<b>Earth-core</b>				
				
MAT904105010	CFPE.160.01	Connector plate/robot	1G16	9.5

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  
 igus<sup>®</sup> GmbH defines cable length as entire length including connectors or open harnessing.

# readycable<sup>®</sup> Robot

## Direct connection cable - KUKA Fortec

Direct connection cables for KUKA Fortec, to your required length			
Part No.	chainflex <sup>®</sup> cable	Number of cores and conductor nominal cross section	Ø
		[mm <sup>2</sup> ]	[mm]
<b>Motor cable (direct connection cable)</b>			
			
MAT904141228	CFSPECIAL.792.014	(2x(3x1.5)C+3x(3x10)+1G10)C	35.5
MAT904141229	CFSPECIAL.792.013	((6x1.5)C+3x(3x4)+1G6)C	28.0
<b>Signal cable (direct connection cable)</b>			
			
MAT904141227	CFBUS.PUR.H01.060	((4x0.38)C+4x1.5)C	11.5

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  
 igus<sup>®</sup> GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

## Harnessed cables - KUKA Titan

Harnessed cables for KUKA Titan, to your required length				
Part No.	chainflex® cable	Manufacturer description	Number of cores and conductor nominal cross section	∅
			[mm²]	[mm]
<b>Motor cable (angled socket)</b>				
				
MAT904105011	CF SPECIAL.792.014	X30.1/X30.1.1	(2x(3x1.5)C+3x(3x10)+1G10)C	35.5
MAT904105014	CF SPECIAL.792.014	X30.2/X30.2.1	(2x(3x1.5)C+3x(3x10)+1G10)C	35.5
MAT904105015	CF SPECIAL.792.014	X30.3/X30.3.1	(2x(3x1.5)C+3x(3x10)+1G10)C	35.5
<b>Data cable</b>				
				
MAT904105005	CFBUS.PUR.H01.060	X31/X31.1	((4x0.38)C+4x1.5)C	11.5
<b>Motor cable single axis (axis 7)</b>				
				
MAT904105006	CF270.UL.25.15.02.01.D	XM.../X...	(4G2.5+(2x1.5)C)C	14.0
MAT904105007	CF270.UL.40.15.02.01.D	XM.../X...	(4G4.0+(2x1.5)C)C	15.0
<b>Motor cable single axis (axis 7)</b>				
				
MAT904105008	CF270.UL.60.15.02.01.D	XM.../X...	(4G6.0+(2x1.5)C)C	16.5
<b>Control cable (axis 7)</b>				
				
MAT904105013	CF112.02.04.02	Control cable single axis	(4x(2x0.25)C)C	11.0
<b>Earth-core</b>				
				
MAT904105010	CFPE.160.01	Connector plate/robot	1G16	9.5

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  
 igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

## Direct connection cable - KUKA Titan

Direct connection cables for KUKA Titan, to your required length			
Part No.	chainflex® cable	Number of cores and conductor nominal cross section	∅
		[mm²]	[mm]
<b>Motor cable (direct connection cable)</b>			
			
MAT904141228	CF SPECIAL.792.014	(2x(3x1.5)C+3x(3x10)+1G10)C	35.5
MAT904141230	CF SPECIAL.792.014	(2x(3x1.5)C+3x(3x10)+1G10)C	35.5
MAT904141231	CF SPECIAL.792.014	(2x(3x1.5)C+3x(3x10)+1G10)C	35.5
<b>Signal cable (direct connection cable)</b>			
			
MAT904141227	CFBUS.PUR.H01.060	((4x0.38)C+4x1.5)C	11.5

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  
 igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

## Harnessed cables - Fanuc M-900iB

Harnessed cables for Fanuc M-900iB, to your required length				
Part No.	chainflex® cable	Manufacturer description	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]
Motor cable (Extension cable axis 7)				
MAT904117141	CFSPECIAL.792.015	RM1.2	(7x(6x2.0))C	36.5
Motor cable (Extension cable axis 7)				
MAT904117142	CFSPECIAL.792.015	RM2.2	(7x(6x2.0))C	36.5
Pulse encoder (Extension cable axis 7)				
MAT904117143	CFSPECIAL.792.016	RP1.2	(5x(4x0.25)+10x(3x0.75))C	26.5
Earth-core (Extension cable axis 7)				
MAT904117144	CFPE.160.01	Earth-core	1G16	9.5
Earth-core (Extension cable axis 7)				
MAT904117145	CFPE.60.01	Earth-core	1G6.0	7.0
Motor cable single axis (axis 7)				
MAT904117146	CF270.UL.60.15.02.01.D	RM7.2	(4G6.0+(2x1.5))C	16.5
Pulse encoder single axis (axis 7)				
MAT904117147	CF240.PUR.03.03	RP7.2	(3x0.34)C	5.0

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  
igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

## Direct connection cable - Fanuc M-900iB

Direct connection cables for Fanuc M-900iB, to your required length				
Part No.	chainflex® cable	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]	
Motor cable (direct connection cable)				
MAT904141222	CFSPECIAL.792.015	(7x(6x2.0))C	36.5	
MAT904141223	CFSPECIAL.792.015	(7x(6x2.0))C	36.5	
Pulse encoder (direct connection cable)				
MAT904141224	CFSPECIAL.792.016	(5x(4x0.25)+10x(3x0.75))C	26.5	

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  
igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable<sup>®</sup> Robot

## Harnessed cables - Fanuc R-2000iC

Harnessed cables for Fanuc R-2000iC, to your required length				
Part No.	chainflex <sup>®</sup> cable	Manufacturer description	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]
				
Motor cable (Extension cable axis 7)				
MAT904117141	CFSPECIAL.792.015	RM1.2	(7x(6x2.0))C	36.5
				
Pulse encoder (Extension cable axis 7)				
MAT904117143	CFSPECIAL.792.016	RP1.2	(5x(4x0.25)+10x(3x0.75))C	26.5
				
Earth-core (Extension cable axis 7)				
MAT904117144	CFPE.160.01	Earth-core	1G16	9.5
				
Earth-core (Extension cable axis 7)				
MAT904117145	CFPE.60.01	Earth-core	1G6.0	7.0
				
Motor cable single axis (axis 7)				
MAT904117146	CF270.UL.60.15.02.01.D	RM7.2	(4G6.0+(2x1.5)C)	16.5
				
Pulse encoder single axis (axis 7)				
MAT904117147	CF240.PUR.03.03	RP7.2	(3x0.34)C	5.0

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  
igus<sup>®</sup> GmbH defines cable length as entire length including connectors or open harnessing.

# readycable<sup>®</sup> Robot

## Direct connection cable - Fanuc R-2000iC

Direct connection cables for Fanuc R-2000iC, to your required length				
Part No.	chainflex <sup>®</sup> cable	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	Ø [mm]	
				
Motor cable (direct connection cable)				
MAT904141222	CFSPECIAL.792.015	(7x(6x2.0))C	36.5	
				
Pulse encoder (direct connection cable)				
MAT904141224	CFSPECIAL.792.016	(5x(4x0.25)+10x(3x0.75))C	26.5	

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  
igus<sup>®</sup> GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

Harnessed cables - ABB IRB 6620, IRB 6640, IRB 6650S, IRB 7600

Harnessed cables for ABB IRB 6620, IRB 6640, IRB 6650S, IRB 7600, to your required length				
Part No.	chainflex® cable	Manufacturer description	Number of cores and conductor nominal cross section [mm²]	Ø [mm]
				
Power cable				
MAT904128539	CFSPECIAL.792.012	R1MP	(18G2.5)C	25.5
				
Signal cable				
MAT904128540	CF211.PUR.02.06.02	R1.SMB	(6x(2x0.25))C	9.0
				
Power cable				
MAT904128547	CF270.UL.40.15.02.02.D		(4G4.0+2x(2x1.5))C	17.0
				
Resolver cable				
MAT904128548	CF211.PUR.02.03.02		(3x(2x0.25))C	7.0
				
Earth-core (Extension cable axis 7)				
MAT904117144	CFPE.160.01	Earth-core	1G16	9.5

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  
igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

Direct connection cable - ABB IRB 6620, IRB 6640, IRB 6650S, IRB 7600

Direct connection cable for ABB IRB 6620, IRB 6640, IRB 6650S, IRB 7600, to your required length				
Part No.	chainflex® cable		Number of cores and conductor nominal cross section [mm²]	Ø [mm]
				
Motor cable (direct connection cable)				
MAT904141219	CFSPECIAL.792.012		(18G2.5)C	25.5
				
Signal cable (direct connection cable)				
MAT904141220	CF211.PUR.02.06.02		(6x(2x0.25))C	9.0

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  
igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

## Harnessed cables - ABB IRB 6700

Harnessed cables for ABB IRB 6700, to your required length				
Part No.	chainflex® cable	Manufacturer description	Number of cores and conductor nominal cross section	Ø
			[mm²]	[mm]
Power cable				
MAT904128539	CFSPECIAL.792.012	R1MP	(18G2.5)C	25.5
Signal cable				
MAT904128541	CF211.PUR.02.06.02	R1.SMB	(6x(2x0.25))C	9.0
Power cable				
MAT904128547	CF270.UL.40.15.02.02.D		(4G4.0+2x(2x1.5))C	17.0
Resolver cable				
MAT904128548	CF211.PUR.02.03.02		(3x(2x0.25))C	7.0
Earth-core (Extension cable axis 7)				
MAT904117144	CFPE.160.01	Earth-core	1G16	9.5

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  
 igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

## Direct connection cable - ABB IRB 6700

Direct connection cable for ABB IRB 6700, to your required length				
Part No.	chainflex® cable	Manufacturer description	Number of cores and conductor nominal cross section	Ø
			[mm²]	[mm]
Motor cable (direct connection cable)				
MAT904141219	CFSPECIAL.792.012		(18G2.5)C	25.5
Signal cable (direct connection cable)				
MAT904141221	CF211.PUR.02.06.02		(6x(2x0.25))C	9.0

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  
 igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable<sup>®</sup> Robot

## Harnessed cables - ABB IRB 8700

Harnessed cables for ABB IRB 8700, to your required length				
Part No.	chainflex <sup>®</sup> cable	Manufacturer description	Number of cores and conductor nominal cross section	Ø
			[mm <sup>2</sup> ]	[mm]
<b>Power cable</b>				
				
MAT904128542	CFSPECIAL.792.012	R1MP-A	(18G2.5)C	25.5
MAT904128543	CFSPECIAL.792.012	R1MP-B	(18G2.5)C	25.5
<b>Signal cable</b>				
				
MAT904128541	CF211.PUR.02.06.02	R1.SMB	(6x(2x0.25))C	9.0
<b>Power cable</b>				
				
MAT904128547	CF270.UL.40.15.02.02.D		(4G4.0+2x(2x1.5))C	17.0
<b>Resolver cable</b>				
				
MAT904128548	CF211.PUR.02.03.02		(3x(2x0.25))C	7.0
<b>Earth-core (Extension cable axis 7)</b>				
				
MAT904117144	CFPE.160.01	Earth-core	1G16	9.5

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  
 igus<sup>®</sup> GmbH defines cable length as entire length including connectors or open harnessing.

# readycable<sup>®</sup> Robot

## Direct connection cable - ABB IRB 8700

Direct connection cable for ABB IRB 8700, to your required length			
Part No.	chainflex <sup>®</sup> cable	Number of cores and conductor nominal cross section	Ø
		[mm <sup>2</sup> ]	[mm]
<b>Motor cable (direct connection cable)</b>			
			
MAT904145759	CFSPECIAL.792.012	(18G2.5)C	25.5
MAT904145760	CFSPECIAL.792.012	(18G2.5)C	25.5
<b>Signal cable (direct connection cable)</b>			
			
MAT904141221	CF211.PUR.02.06.02	(6x(2x0.25))C	9.0

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  
 igus<sup>®</sup> GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

## Cables according to AIDA specifications\*

\* AIDA = AutomatisierungsInitiative Deutscher Automobilhersteller (Automation Initiative of German Domestic Automobile manufacturers)

Harnessed cables according to AIDA specifications, to your required length				
Part No.	Robot axis	chainflex® cable	Number of cores and conductor nominal cross section [mm²]	Ø [mm]
AIDA Profinet – RJ45 Pin/ AIDA Profinet – RJ45 Pin				
MAT904117091	Axis 7	CFBUS.PUR.060	(4x0.38)C	7.0
MAT904117095	Axis 1-6	CFROBOT8.060	(2x(2x0.34))C	8.5
AIDA Profinet FOC/ AIDA Profinet FOC				
MAT904117092	Axis 7	CFLK.L1.02	1x980/1,000µm	7.0
upon request <sup>1)</sup>	Axis 1-6	CFLK.L1.02	1x980/1,000µm	7.0
AIDA Power Pin/ AIDA Power Pin				
MAT904117093	Axis 7	CF77.UL.25.05.D	5G2.5	10.5
MAT904117097	Axis 1-6	CF77.UL.25.05.D	5G2.5	10.5
AIDA Signal Pin/ AIDA Signal Pin				
MAT904117094	Axis 7	CF211.PUR.05.05.02	(5x(2x0.5))C	10.5
MAT904117098	Axis 1-6	CFROBOT3.05.05.02	(5x(2x0.5))C	12.5

<sup>1)</sup> Offer made only after technical clarification of the application.  
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  
igus® GmbH defines cable length as entire length including connectors or open harnessing.

# readycable® Robot

## Cables according to AIDA specifications\* **New**

\* AIDA = AutomatisierungsInitiative Deutscher Automobilhersteller (Automation Initiative of German Domestic Automobile manufacturers)

Harnessed extension cables according to AIDA specifications, to your required length				
Part No.	Robot axis	chainflex® cable	Number of cores and conductor nominal cross section [mm²]	Ø [mm]
AIDA Profinet – RJ45 Socket/ AIDA Profinet – RJ45 Pin				
MAT904152118	Axis 7	CFBUS.PUR.060	(4x0.38)C	7.0
MAT904152121	Axis 1-6	CFROBOT8.060	(2x(2x0.34))C	8.5
AIDA Profinet – RJ45 Socket/ AIDA Profinet – RJ45 Socket				
MAT904151684	Axis 7	CFBUS.PUR.060	(4x0.38)C	7.0
MAT904151687	Axis 1-6	CFROBOT8.060	(2x(2x0.34))C	8.5
AIDA Power Socket/ AIDA Power Pin				
MAT904152119	Axis 7	CF77.UL.25.05.D	5G2.5	10.0
MAT904152122	Axis 1-6	CF77.UL.25.05.D	5G2.5	10.0
AIDA Power Socket/ AIDA Power Socket				
MAT904151685	Axis 7	CF77.UL.25.05.D	5G2.5	10.0
MAT904151688	Axis 1-6	CF77.UL.25.05.D	5G2.5	10.0
AIDA Signal Socket/ AIDA Signal Pin				
MAT904152120	Axis 7	CF211.PUR.05.05.02	5x(2x0.5))C	11.0
MAT904152123	Axis 1-6	CFROBOT3.05.05.02	5x(2x0.5))C	11.0
AIDA Signal Socket/ AIDA Signal Socket				
MAT904151686	Axis 7	CF211.PUR.05.05.02	5x(2x0.5))C	11.0
MAT904151689	Axis 1-6	CFROBOT3.05.05.02	5x(2x0.5))C	11.0

Note: the given outer diameters are maximum values and may tend toward lower tolerance limits.  
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igus® GmbH defines cable length as entire length including connectors or open harnessing.