








Robot

Harnessed dress packs and cables for robots



chainflex® readycable®



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igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year

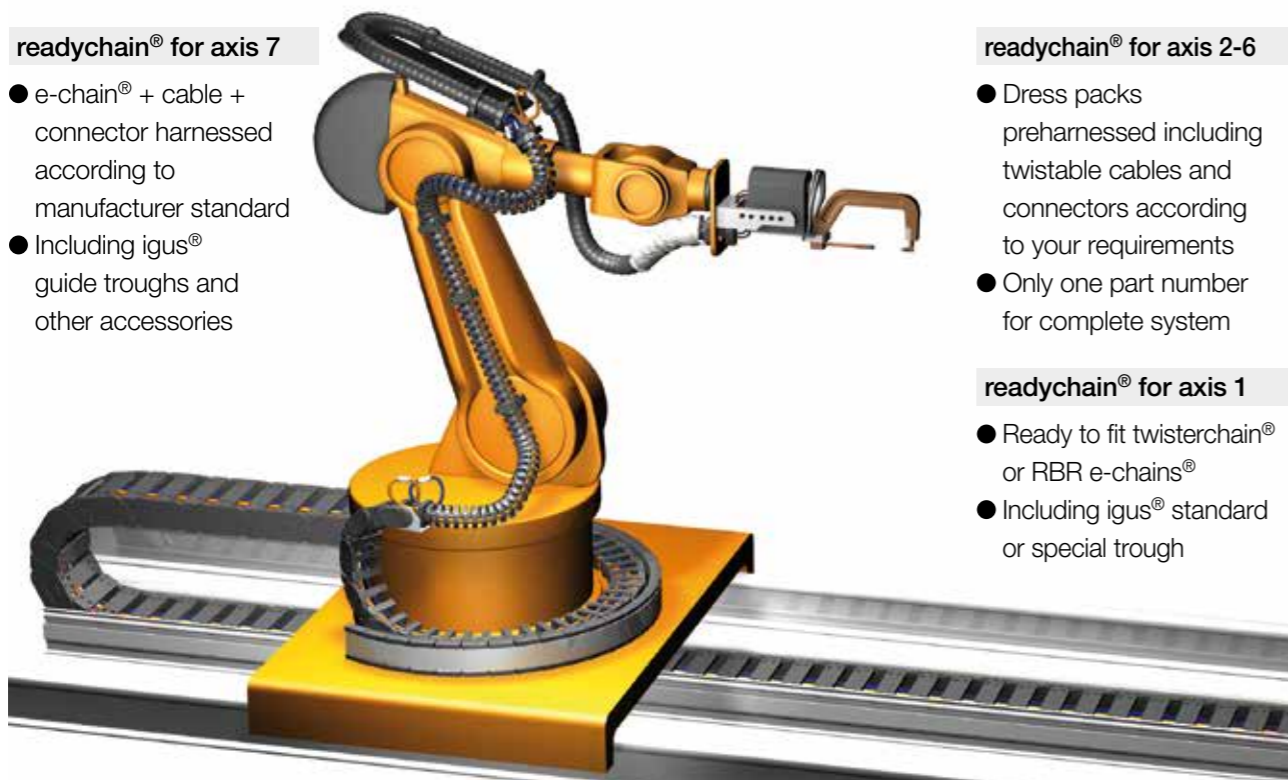


Ready-to-install harnessed e-chain systems[®] for robots

Assembled energy supply systems, connectors and cables from igus[®]. Everything from a single source. Directly from the manufacturer. Quick delivery to your robot, delivered in 1-10 days

readychain[®] for axis 7

- e-chain[®] + cable + connector harnessed according to manufacturer standard
- Including igus[®] guide troughs and other accessories



readychain[®] for axis 2-6

- Dress packs preharnessed including twistable cables and connectors according to your requirements
- Only one part number for complete system

readychain[®] for axis 1

- Ready to fit twisterchain[®] or RBR e-chains[®]
- Including igus[®] standard or special trough

Additional services for you

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

Moving energy made easy – even for robot applications

The modular igus[®] robot construction kit comprises over 5,000 different items. We can offer you the optimum, customised solution for almost any robot application. Our "Quick Robot" online tool can be used to create the ideal configuration in seconds – try it for yourself: www.igus.eu/quickrobot

All igus[®] robotic components are tested in our laboratory and have already been reliably used in real applications for many years. Our primary aim is to design a reliable energy supply system for your robot. We do not simply focus on mechanical protection but instead look at the entire application including the cables that have been specially developed for use on the robot. We will gladly find a solution for your application too – and look forward to receiving your enquiry.

| 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[®] for each)



RRC.S.001

- Consisting of:
- 1m TRLF.85.135.0, including mounting brackets
 - Welding cable (2x35mm² + 1x25mm²) including multicontact TSB and TSS welding connector
 - Control cable (18x0.75mm² + 5x0.75mm²) including rectangular connector on both ends
 - Welding control cable (5x2x0.5mm²) 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[®] for each)










RRC.S.002

- Consisting of:
- 1m TRC.85.135.0 including protectors and mounting brackets
 - Welding cable (2x35mm² + 1x25mm²) including multicontact TSB and TSS welding connector
 - Control cable (18x0.75mm² + 5x0.75mm²) including round connector and rectangular connector
 - Welding control cable (5x2x0.5mm²) including rectangular connector on both ends
 - 3x hoses - DN12 red, green, blue - including fixture at both ends

igus[®] GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 915

Harnessed cables for robots




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 [mm²] | 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. ▶ Page 915

Direct connection cables for robots

KUKA Quantec







| Direct connection cables for KUKA Quantec, to your required length | | | | |
|--|---|--------------------------|---|--------|
| Part No. | chainflex® cable | Manufacturer description | Number of cores and conductor nominal cross section [mm²] | 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. ▶ Page 915

Harnessed cables for robots

KUKA Fortec

Harnessed cables for KUKA Fortec, to your required length

| Part No. | chainflex® cable | Manufacturer description | Number of cores and conductor nominal cross section [mm²] | Ø [mm] |
|---|--|---------------------------|---|--------|
| Motor cable (angled socket) | | | | |
| |  | | | |
| 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 |
| 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) | | | | |
| |  | | | |
| MAT904105013 | 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. ▶ Page 915

Direct connection cables for robots

KUKA Fortec

Direct connection cables for KUKA Fortec, to your required length

| Part No. | chainflex® cable | Number of cores and conductor nominal cross section [mm²] | Ø [mm] |
|---|---|---|--------|
| Motor cable (direct connection cable) | | | |
| |  | | |
| 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 |
| 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. ▶ Page 915

Harnessed cables for robots

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] | Ø [mm] |
|----------|------------------|--------------------------|---|--------|
|----------|------------------|--------------------------|---|--------|

Motor cable (angled socket)



| | | | | |
|--------------|-------------------|---------------|-----------------------------|------|
| MAT904105011 | CFSPECIAL.792.014 | X30.1/X30.1.1 | (2x(3x1.5)C+3x(3x10)+1G10)C | 35.5 |
| MAT904105014 | CFSPECIAL.792.014 | X30.2/X30.2.1 | (2x(3x1.5)C+3x(3x10)+1G10)C | 35.5 |
| MAT904105015 | CFSPECIAL.792.014 | X30.3/X30.3.1 | (2x(3x1.5)C+3x(3x10)+1G10)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)



| | | | | |
|--------------|----------------|---------------------------|----------------|------|
| MAT904105013 | 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. ▶ Page 915

Direct connection cables for robots

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] | Ø [mm] |
|----------|------------------|---|--------|
|----------|------------------|---|--------|

Motor cable (direct connection cable)



| | | | |
|--------------|-------------------|-----------------------------|------|
| MAT904141228 | CFSPECIAL.792.014 | (2x(3x1.5)C+3x(3x10)+1G10)C | 35.5 |
| MAT904141230 | CFSPECIAL.792.014 | (2x(3x1.5)C+3x(3x10)+1G10)C | 35.5 |
| MAT904141231 | CFSPECIAL.792.014 | (2x(3x1.5)C+3x(3x10)+1G10)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. ▶ Page 915

Harnessed cables for robots 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 [mm²] | 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)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. ▶ Page 915

Direct connection cables for robots 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 [mm²] | 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. ▶ Page 915

Harnessed cables for robots Fanuc R-2000iC

| Harnessed cables for Fanuc R-2000iC, to your required length | | | | |
|--|------------------------|--------------------------|---|--------|
| Part No. | chainflex® cable | Manufacturer description | Number of cores and conductor nominal cross section [mm²] | 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)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. ▶ Page 915

Direct connection cables for robots Fanuc R-2000iC

| Direct connection cables for Fanuc R-2000iC, to your required length | | | | |
|--|-------------------|--------------------------|---|--------|
| Part No. | chainflex® cable | Manufacturer description | Number of cores and conductor nominal cross section [mm²] | 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® GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 915

Harnessed cables for robots

ABB IRB 6620, IRB 6640, IRB 6650S, IRB 7600

| Harnessed cables for ABB IRB 6620, IRB 6640, IRB 6650S, IRB 7600, to your desired 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)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. ▶ Page 915

Direct connection cables for robots

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. ▶ Page 915

Harnessed cables for robots ABB IRB 6700

| Harnessed cables for ABB IRB 6700, to your desired length | | | | |
|---|------------------------|--------------------------|---|--------|
| Part No. | chainflex® cable | Manufacturer description | Number of cores and conductor nominal cross section [mm²] | Ø [mm] |
| Power cable | | | | |
| MAT904128539 | CF SPECIAL.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. ► Page 915

Direct connection cables for robots 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 [mm²] | Ø [mm] |
| Motor cable (direct connection cable) | | | | |
| MAT904141219 | CF SPECIAL.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. ► Page 915

Harnessed cables for robots ABB IRB 8700

| Harnessed cables for ABB IRB 8700, to your desired length | | | | |
|---|------------------|--------------------------|---|--------|
| Part No. | chainflex® cable | Manufacturer description | Number of cores and conductor nominal cross section [mm²] | Ø [mm] |

Power cable



| | | | | |
|--------------|--------------------|--------|-----------|------|
| MAT904128542 | CF SPECIAL.792.012 | R1MP-A | (18G2.5)C | 25.5 |
| MAT904128543 | CF SPECIAL.792.012 | R1MP-B | (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.U.L.40.15.02.02.D | | (4G4.0+2x(2x1.5)C)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. ▶ Page 915

Direct connection cables for robots ABB IRB 8700

| Direct connection cable for ABB IRB 8700, to your required length | | | |
|---|------------------|---|--------|
| Part No. | chainflex® cable | Number of cores and conductor nominal cross section [mm²] | Ø [mm] |

Motor cable (direct connection cable)



| | | | |
|--------------|--------------------|-----------|------|
| MAT904145759 | CF SPECIAL.792.012 | (18G2.5)C | 25.5 |
| MAT904145760 | CF SPECIAL.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. ▶ Page 915

Cables according to AIDA specifications*

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

Technical information on cable quality:

| | | | |
|-----------------------------------|------------------------------|-----------------------------------|-----------------------------------|
| CFBUS.PUR from page 192 | CFLK from page 212 | CF77.UL.D from page 100 | CF211.PUR from page 150 |
|-----------------------------------|------------------------------|-----------------------------------|-----------------------------------|

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 ¹⁾ | 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 |

¹⁾ 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. ▶ Page 915

Cables according to AIDA specifications*

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

Technical information on cable quality:

| | | | |
|-----------------------------------|------------------------------|-----------------------------------|-----------------------------------|
| CFBUS.PUR from page 192 | CFLK from page 212 | CF77.UL.D from page 100 | CF211.PUR from page 150 |
|-----------------------------------|------------------------------|-----------------------------------|-----------------------------------|

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.

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

igus® GmbH defines cable length as entire length including connectors or open harnessing. ▶ Page 915