

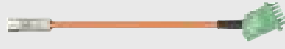



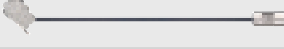


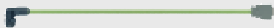
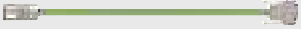
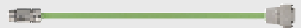


Drive Technology



ReadyCable Selection

| | Cable type | Jacket | Class |
|---|------------------------|--------|-------|
| Cables for Drive Technology | | | |
| Harnessed according to Allen Bradley | | | |
|  | Motor Power & Feedback | TPE | 6.4.4 |
| Harnessed according to Danaher Motion | | | |
|  | Servo | PVC | 5.3.2 |
|  | Servo | PUR | 6.3.3 |
|  | Power | PVC | 5.3.2 |
|  | Power | TPE | 6.4.4 |
|  | Position Feedback | PVC | 5.3.2 |
|  | Position Feedback | TPE | 5.3.2 |
| Harnessed according to Fanuc | | | |
|  | Servo | PUR | 4.1.3 |
|  | Servo | PUR | 6.3.3 |
|  | Position Feedback | PUR | 6.3.3 |
| Harnessed according to Heidenhain | | | |
|  | Position Feedback | PUR | 6.3.3 |
|  | Position Feedback | TPE | 6.4.4 |

ReadyCable Selection

Cable type

Jacket

Class

Cables for Drive Technology

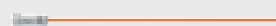
Harnessed according to Lenze



Servo

PVC

5.3.2



Servo

PUR

6.3.3



Position Feedback

PVC

5.3.2



Position Feedback

TPE

6.4.4



Control

PVC

4.2.1

Harnessed according to Rexroth



Servo

PVC

5.3.2



Servo

PUR

6.3.3



Position Feedback

PVC

5.3.2



Position Feedback

TPE

6.4.4

ReadyCable Selection


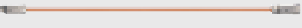


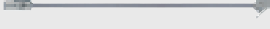
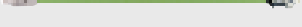
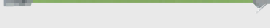
Cable type

Jacket

Class

Cables for Drive Technology

Harnessed according to Siemens

| | | | |
|---|-------------------|-----|-------|
|  | Servo | PVC | 5.3.2 |
|  | Servo | PUR | 6.3.3 |
|  | Power | PVC | 5.3.2 |
|  | Power | TPE | 6.4.4 |
|  | Position Feedback | PVC | 5.3.2 |
|  | Position Feedback | PUR | 6.3.3 |
|  | Position Feedback | TPE | 6.4.4 |

Construction

Power Harness: See Chainflex® CF35

Feedback Harness: See Chainflex® CFAB-001 Specification (available upon request)

Brake Harness: See Chainflex® section CF8/CF78

Technical Data

Power Harness: See Chainflex® CF35

Feedback Harness: See Chainflex® CFAB-001 Specification (available upon request)

Brake Harness: See Chainflex® section CF8/CF78



| Allen Bradley® Part No. | igus® Part No. | Cable Type | Diameter | | Bending Radius |
|--------------------------------|-------------------|------------|----------|--------|-------------------|
| | | | in. | (mm) | |
| MP Series Power Harness | | | | | |
| 2090-XXNPMP-16SXX | AB-PMP-16SXXX | 4 X 16 | .37 | (9.5) | 7.5 x d |
| 2090-XXNPMP-14SXX | AB-PMP-14SXXX | 4 X 14 | .43 | (11.0) | 7.5 x d |
| 2090-XXNPMP-10SXX | AB-PMP-10SXXX | 4 X 10 | .61 | (15.5) | 7.5 x d |
| 2090-XXNPMP-8SXX | AB-PMP-8SXXX | 4 X 8 | .77 | (19.5) | 7.5 x d |

MP Series Brake Harness

| | | | | | |
|-------------------|-------------|--------|-----|-------|---------|
| 2090-XXNBMP-18SXX | AB-BMP-18XX | 2 x 17 | .26 | (6.5) | 7.5 x d |
|-------------------|-------------|--------|-----|-------|---------|

MP Series Feedback Harness

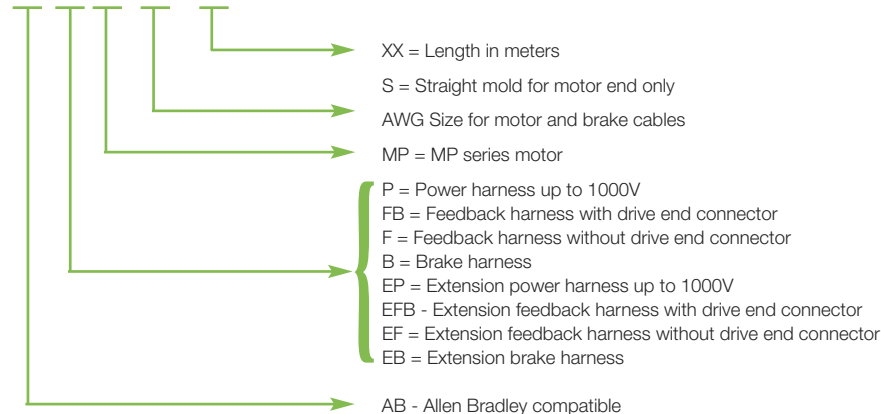
| | | | | | |
|------------------|-------------|----------|-----|--------|--------|
| 2090-XXNFBMP-SXX | AB-FBMP-SXX | CFAB-001 | .48 | (12.2) | 10 x d |
| 2090-XXNFMP-SXX | AB-FMP-SXX | CFAB-001 | .48 | (12.2) | 10 x d |

CFAB Feedback cable is also available in bulk

| | | | | | |
|--|----------|-----------|-----|--------|--------|
| | CFAB-001 | 7 pr x 26 | .48 | (12.2) | 10 x d |
| | | 1 pr x 22 | | | |
| | | 1 pr x 16 | | | |

Igus Part Number Breakdown AB-EPMP-16 SXX

Other motor series are available.
Please contact igus with requests.
Note: Allen Bradley is a registered trademark of Rockwell Automation



Drive Cable



AB
Harness

CLASS
6.4.4

Harnessed according to Allen Bradley® Systems
MP Series - Extension Harness with mounting flange male connector. For use with Energy Chains®, injection molded backshell and strain relief

Construction

Power Harness: See Chainflex® CF35

Feedback Harness: See Chainflex® CFAB-001 Specification (available upon request)

Brake Harness: See Chainflex® section CF8/CF78

Technical Data

Power Harness: See Chainflex® CF35

Feedback Harness: See Chainflex® CFAB-001 Specification (available upon request)

Brake Harness: See Chainflex® section CF8/CF78



| Allen Bradley® Part No. | igus® Part No. | # of Conductors AWG | Diameter | | Bending Radius |
|-----------------------------------|-------------------|------------------------|----------|--------|-------------------|
| | | | in. | (mm) | |
| MP Series Power Harness | | | | | |
| 2090-XXNPMP-16SXX | AB-EPMP-16SXXX | 4 X 16 | .37 | (9.5) | 7.5 x d |
| 2090-XXNPMP-14SXX | AB-EPMP-14SXXX | 4 X 14 | .43 | (11.0) | 7.5 x d |
| 2090-XXNPMP-10SXX | AB-EPMP-10SXXX | 4 X 10 | .66 | (15.5) | 7.5 x d |
| 2090-XXNPMP-8SXX | AB-EPMP-8SXXX | 4 X 8 | .77 | (19.5) | 7.5 x d |
| MP Series Brake Harness | | | | | |
| 2090-XXNBMP-18SXX | AB-EBMP-18XX | 2 x 18 | .26 | (6.5) | 7.5 x d |
| MP Series Feedback Harness | | | | | |
| 2090-XXNFBMP-SXX | AB-EFBMP-SXX | CFAB-001 | .48 | (12.2) | 10 x d |
| 2090-XXNFMP-SXX | AB-EFMP-SXX | CFAB-001 | .48 | (12.2) | 10 x d |

Other motor series are available. Please contact igus with requests.

Note: Allen Bradley is a registered trademark of Rockwell ASutomation



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 1000 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: green (similar to RAL 6005)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 107491 16.4 ft. (5m) | MAT9340001 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 107492 32.8 ft. (10m) | MAT9340005 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107493 49.2 ft. (15m) | MAT9340006 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107494 65.6 ft. (20m) | MAT9340007 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107495 82.0 ft. (25m) | MAT9340008 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107479 16.4 ft. (5m) | MAT9340009 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107480 32.8 ft. (10m) | MAT9340010 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107481 49.2 ft. (15m) | MAT9340011 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107482 65.6 ft. (20m) | MAT9340012 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107483 82.0 ft. (25m) | MAT9340013 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 102579 16.4 ft. (5m) | MAT9340014 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 102580 32.8 ft. (10m) | MAT9340015 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 102809 49.2 ft. (15m) | MAT9340016 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 102810 65.6 ft. (20m) | MAT9340017 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 102811 82.0 ft. (25m) | MAT9340018 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 90088 16.4 ft. (5m) | MAT9340019 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 90089 32.8 ft. (10m) | MAT9340020 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 90090 49.2 ft. (15m) | MAT9340021 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 90091 65.6 ft. (20m) | MAT9340022 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 90092 82.0 ft. (25m) | MAT9340023 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 89957 16.4 ft. (5m) | MAT9340024 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 89961 32.8 ft. (10m) | MAT9340025 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 89963 49.2 ft. (15m) | MAT9340026 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 89965 65.6 ft. (20m) | MAT9340027 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 89967 82.0 ft. (25m) | MAT9340028 | 4 X 16 | 1 X 17 | .49 | (12.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Danaher Motion

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power | | Signal | | Diameter | |
|-----------------------|----------------|-----------------------|--|------------------|--|----------|--------|
| | | # of Conductors x AWG | | # of Pairs x AWG | | in. | (mm) |
| 89968 | MAT9340029 | 4 X 14 | | 1 X 17 | | .53 | (13.5) |
| 89970 | MAT9340030 | 4 X 14 | | 1 X 17 | | .53 | (13.5) |
| 89971 | MAT9340031 | 4 X 14 | | 1 X 17 | | .53 | (13.5) |
| 89972 | MAT9340032 | 4 X 14 | | 1 X 17 | | .53 | (13.5) |
| 89969 | MAT9340033 | 4 X 14 | | 1 X 17 | | .53 | (13.5) |
| 200462 | MAT9340034 | 4 X 16 | | 1 X 17 | | .49 | (12.5) |
| 200463 | MAT9340035 | 4 X 16 | | 1 X 17 | | .49 | (12.5) |
| 200464 | MAT9340036 | 4 X 16 | | 1 X 17 | | .49 | (12.5) |
| 200465 | MAT9340037 | 4 X 16 | | 1 X 17 | | .49 | (12.5) |
| 200466 | MAT9340038 | 4 X 16 | | 1 X 17 | | .49 | (12.5) |
| 200474 | MAT9340039 | 4 X 14 | | 1 X 17 | | .53 | (13.5) |
| 200475 | MAT9340040 | 4 X 14 | | 1 X 17 | | .53 | (13.5) |
| 200476 | MAT9340041 | 4 X 14 | | 1 X 17 | | .53 | (13.5) |
| 200477 | MAT9340042 | 4 X 14 | | 1 X 17 | | .53 | (13.5) |
| 200478 | MAT9340043 | 4 X 14 | | 1 X 17 | | .53 | (13.5) |
| 200623 | MAT9340044 | 4 X 12 | | 1 X 17 | | .61 | (15.5) |
| 200624 | MAT9340045 | 4 X 12 | | 1 X 17 | | .61 | (15.5) |
| 200625 | MAT9340046 | 4 X 12 | | 1 X 17 | | .61 | (15.5) |
| 200626 | MAT9340047 | 4 X 12 | | 1 X 17 | | .61 | (15.5) |
| 200627 | MAT9340048 | 4 X 12 | | 1 X 17 | | .61 | (15.5) |

Note: The mentioned external diameters are maximum values.

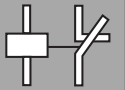
Chainflex® PVC cables



Typical application area – PVC

- for high mechanical load requirements
- light oil influence
- preferably indoor applications, but also outdoor ones at temperatures > 5 °C
- especially for unsupported and gliding travel distances up to 100 m
- storage and retrieval units for high-bay warehouses, machining units/packaging machines, quick handling, indoor cranes, timber processing

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant and coolant resistant
- Shielded
- Flame-retardant
- Notch-resistant, hydrolysis-resistant and microbe resistant
- Nominal voltage: 1000 V
- Temperature range (flexing): -4°F to +176°F (-20°C to +80°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: orange (similar to RAL 2003)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 107491 16.4 ft. (5m) | MAT9440001 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 107492 32.8 ft. (10m) | MAT9440005 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107493 49.2 ft. (15m) | MAT9440006 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107494 65.6 ft. (20m) | MAT9440007 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107495 82.0 ft. (25m) | MAT9440008 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107479 16.4 ft. (5m) | MAT9440009 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107480 32.8 ft. (10m) | MAT9440010 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107481 49.2 ft. (15m) | MAT9440011 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107482 65.6 ft. (20m) | MAT9440012 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 107483 82.0 ft. (25m) | MAT9440013 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 102579 16.4 ft. (5m) | MAT9440014 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 102580 32.8 ft. (10m) | MAT9440015 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 102809 49.2 ft. (15m) | MAT9440016 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 102810 65.6 ft. (20m) | MAT9440017 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 102811 82.0 ft. (25m) | MAT9440018 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 90088 16.4 ft. (5m) | MAT9440019 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 90089 32.8 ft. (10m) | MAT9440020 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 90090 49.2 ft. (15m) | MAT9440021 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 90091 65.6 ft. (20m) | MAT9440022 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 90092 82.0 ft. (25m) | MAT9440023 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 89957 16.4 ft. (5m) | MAT9440024 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 89961 32.8 ft. (10m) | MAT9440025 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 89963 49.2 ft. (15m) | MAT9440026 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 89965 65.6 ft. (20m) | MAT9440027 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 89967 82.0 ft. (25m) | MAT9440028 | 4 X 16 | 1 X 17 | .49 | (12.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Danaher Motion

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 89968 16.4 ft. (5m) | MAT9440029 | 4 X 14 | 1 X 17 | .53 | (13.5) |
| 89970 32.8 ft. (10m) | MAT9440030 | 4 X 14 | 1 X 17 | .53 | (13.5) |
| 89971 49.2 ft. (15m) | MAT9440031 | 4 X 14 | 1 X 17 | .53 | (13.5) |
| 89972 65.6 ft. (20m) | MAT9440032 | 4 X 14 | 1 X 17 | .53 | (13.5) |
| 89969 82.0 ft. (25m) | MAT9440033 | 4 X 14 | 1 X 17 | .53 | (13.5) |
| 200462 16.4 ft. (5m) | MAT9440034 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 200463 32.8 ft. (10m) | MAT9440035 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 200464 49.2 ft. (15m) | MAT9440036 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 200465 65.6 ft. (20m) | MAT9440037 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 200466 82.0 ft. (25m) | MAT9440038 | 4 X 16 | 1 X 17 | .49 | (12.5) |
| 200474 16.4 ft. (5m) | MAT9440039 | 4 X 14 | 1 X 17 | .53 | (13.5) |
| 200475 32.8 ft. (10m) | MAT9440040 | 4 X 14 | 1 X 17 | .53 | (13.5) |
| 200476 49.2 ft. (15m) | MAT9440041 | 4 X 14 | 1 X 17 | .53 | (13.5) |
| 200477 65.6 ft. (20m) | MAT9440042 | 4 X 14 | 1 X 17 | .53 | (13.5) |
| 200478 82.0 ft. (25m) | MAT9440043 | 4 X 14 | 1 X 17 | .53 | (13.5) |
| 200623 16.4 ft. (5m) | MAT9440044 | 4 X 12 | 1 X 17 | .61 | (15.5) |
| 200624 32.8 ft. (10m) | MAT9440045 | 4 X 12 | 1 X 17 | .61 | (15.5) |
| 200625 49.2 ft. (15m) | MAT9440046 | 4 X 12 | 1 X 17 | .61 | (15.5) |
| 200626 65.6 ft. (20m) | MAT9440047 | 4 X 12 | 1 X 17 | .61 | (15.5) |
| 200627 82.0 ft. (25m) | MAT9440048 | 4 X 12 | 1 X 17 | .61 | (15.5) |

Note: The mentioned external diameters are maximum values.

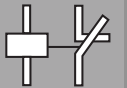
Chainflex® PUR cables



Typical application area – PUR

- for maximum mechanical load requirements
- almost unlimited resistance to oil
- Indoor and outdoor applications, UV-resistant
- especially for unsupported and gliding travel distances up to 100 m
- storage and retrieval units for high-bay warehouses, machining units/machine tools, quick handling, clean room, semiconductor insertion, outdoor cranes, low-temperature applications

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 1000 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: black (similar to RAL 9005)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 107485 16.4 ft. (5m) | MAT9340002 | 4 x 16 | .41 | (10.5) |
| 107486 32.8 ft. (10m) | MAT9340049 | 4 x 16 | .41 | (10.5) |
| 107487 49.2 ft. (15m) | MAT9340050 | 4 x 16 | .41 | (10.5) |
| 107488 65.6 ft. (20m) | MAT9340051 | 4 x 16 | .41 | (10.5) |
| 107489 82.0 ft. (25m) | MAT9340052 | 4 x 16 | .41 | (10.5) |
| 107473 16.4 ft. (5m) | MAT9340053 | 4 x 16 | .41 | (10.5) |
| 107474 32.8 ft. (10m) | MAT9340054 | 4 x 16 | .41 | (10.5) |
| 107475 49.2 ft. (15m) | MAT9340055 | 4 x 16 | .41 | (10.5) |
| 107476 65.6 ft. (20m) | MAT9340056 | 4 x 16 | .41 | (10.5) |
| 107477 82.0 ft. (25m) | MAT9340057 | 4 x 16 | .41 | (10.5) |
| 102575 16.4 ft. (5m) | MAT9340058 | 4 x 16 | .41 | (10.5) |
| 102576 32.8 ft. (10m) | MAT9340059 | 4 x 16 | .41 | (10.5) |
| 102806 49.2 ft. (15m) | MAT9340060 | 4 x 16 | .41 | (10.5) |
| 102807 65.6 ft. (20m) | MAT9340061 | 4 x 16 | .41 | (10.5) |
| 102808 82.0 ft. (25m) | MAT9340062 | 4 x 16 | .41 | (10.5) |
| 90083 16.4 ft. (5m) | MAT9340063 | 4 x 16 | .41 | (10.5) |
| 90084 32.8 ft. (10m) | MAT9340064 | 4 x 16 | .41 | (10.5) |
| 90085 49.2 ft. (15m) | MAT9340065 | 4 x 16 | .41 | (10.5) |
| 90086 65.6 ft. (20m) | MAT9340066 | 4 x 16 | .41 | (10.5) |
| 90087 82.0 ft. (25m) | MAT9340067 | 4 x 16 | .41 | (10.5) |
| 89918 16.4 ft. (5m) | MAT9340068 | 4 x 16 | .41 | (10.5) |
| 89952 32.8 ft. (10m) | MAT9340069 | 4 x 16 | .41 | (10.5) |
| 89953 49.2 ft. (15m) | MAT9340070 | 4 x 16 | .41 | (10.5) |
| 89954 65.6 ft. (20m) | MAT9340071 | 4 x 16 | .41 | (10.5) |
| 89956 82.0 ft. (25m) | MAT9340072 | 4 x 16 | .41 | (10.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Danaher Motion

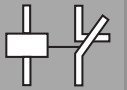
Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 89959 16.4 ft. (5m) | MAT9340004 | 4 X 14 | .49 | (12.5) |
| 89960 32.8 ft. (10m) | MAT9340073 | 4 X 14 | .49 | (12.5) |
| 89962 49.2 ft. (15m) | MAT9340074 | 4 X 14 | .49 | (12.5) |
| 89964 65.6 ft. (20m) | MAT9340075 | 4 X 14 | .49 | (12.5) |
| 89966 82.0 ft. (25m) | MAT9340076 | 4 X 14 | .49 | (12.5) |
| 200456 16.4 ft. (5m) | MAT9340077 | 4 X 16 | .41 | (10.5) |
| 200457 32.8 ft. (10m) | MAT9340078 | 4 X 16 | .41 | (10.5) |
| 200458 49.2 ft. (15m) | MAT9340079 | 4 X 16 | .41 | (10.5) |
| 200459 65.6 ft. (20m) | MAT9340080 | 4 X 16 | .41 | (10.5) |
| 200460 82.0 ft. (25m) | MAT9340081 | 4 X 16 | .41 | (10.5) |
| 200468 16.4 ft. (5m) | MAT9340082 | 4 X 14 | .49 | (12.5) |
| 200469 32.8 ft. (10m) | MAT9340083 | 4 X 14 | .49 | (12.5) |
| 200470 49.2 ft. (15m) | MAT9340084 | 4 X 14 | .49 | (12.5) |
| 200471 65.6 ft. (20m) | MAT9340085 | 4 X 14 | .49 | (12.5) |
| 200472 82.0 ft. (25m) | MAT9340086 | 4 X 14 | .49 | (12.5) |
| 200618 16.4 ft. (5m) | MAT9340087 | 4 X 12 | .41 | (10.5) |
| 200619 32.8 ft. (10m) | MAT9340088 | 4 X 12 | .41 | (10.5) |
| 200620 49.2 ft. (15m) | MAT9340089 | 4 X 12 | .41 | (10.5) |
| 200621 65.6 ft. (20m) | MAT9340090 | 4 X 12 | .41 | (10.5) |
| 200622 82.0 ft. (25m) | MAT9340091 | 4 X 12 | .41 | (10.5) |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant
- Shielded
- Hydrolysis-resistant and microbe-resistant
- Flame-retardant
- Nominal voltage: 600/1000 V
- Temperature range (flexing): -31°F to +194°F (-35°C to +90°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: black (similar to RAL 9005)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| 107485 16.4 ft. (5m) | MAT9440002 | 4 x 16 | .37 | (9.5) |
| 107486 32.8 ft. (10m) | MAT9440049 | 4 x 16 | .37 | (9.5) |
| 107487 49.2 ft. (15m) | MAT9440050 | 4 x 16 | .37 | (9.5) |
| 107488 65.6 ft. (20m) | MAT9440051 | 4 x 16 | .37 | (9.5) |
| 107489 82.0 ft. (25m) | MAT9440052 | 4 x 16 | .37 | (9.5) |
| 107473 16.4 ft. (5m) | MAT9440053 | 4 x 16 | .37 | (9.5) |
| 107474 32.8 ft. (10m) | MAT9440054 | 4 x 16 | .37 | (9.5) |
| 107475 49.2 ft. (15m) | MAT9440055 | 4 x 16 | .37 | (9.5) |
| 107476 65.6 ft. (20m) | MAT9440056 | 4 x 16 | .37 | (9.5) |
| 107477 82.0 ft. (25m) | MAT9440057 | 4 x 16 | .37 | (9.5) |
| 102575 16.4 ft. (5m) | MAT9440058 | 4 x 16 | .37 | (9.5) |
| 102576 32.8 ft. (10m) | MAT9440059 | 4 x 16 | .37 | (9.5) |
| 102806 49.2 ft. (15m) | MAT9440060 | 4 x 16 | .37 | (9.5) |
| 102807 65.6 ft. (20m) | MAT9440061 | 4 x 16 | .37 | (9.5) |
| 102808 82.0 ft. (25m) | MAT9440062 | 4 x 16 | .37 | (9.5) |
| 90083 16.4 ft. (5m) | MAT9440063 | 4 x 16 | .37 | (9.5) |
| 90084 32.8 ft. (10m) | MAT9440064 | 4 x 16 | .37 | (9.5) |
| 90085 49.2 ft. (15m) | MAT9440065 | 4 x 16 | .37 | (9.5) |
| 90086 65.6 ft. (20m) | MAT9440066 | 4 x 16 | .37 | (9.5) |
| 90087 82.0 ft. (25m) | MAT9440067 | 4 x 16 | .37 | (9.5) |
| 89918 16.4 ft. (5m) | MAT9440068 | 4 x 16 | .37 | (9.5) |
| 89952 32.8 ft. (10m) | MAT9440069 | 4 x 16 | .37 | (9.5) |
| 89953 49.2 ft. (15m) | MAT9440070 | 4 x 16 | .37 | (9.5) |
| 89954 65.6 ft. (20m) | MAT9440071 | 4 x 16 | .37 | (9.5) |
| 89956 82.0 ft. (25m) | MAT9440072 | 4 x 16 | .37 | (9.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Danaher Motion

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 89959 16.4 ft. (5m) | MAT9440004 | 4 X 14 | .43 | (11.0) |
| 89960 32.8 ft. (10m) | MAT9440073 | 4 X 14 | .43 | (11.0) |
| 89962 49.2 ft. (15m) | MAT9440074 | 4 X 14 | .43 | (11.0) |
| 89964 65.6 ft. (20m) | MAT9440075 | 4 X 14 | .43 | (11.0) |
| 89966 82.0 ft. (25m) | MAT9440076 | 4 X 14 | .43 | (11.0) |
| 200456 16.4 ft. (5m) | MAT9440077 | 4 X 16 | .37 | (9.5) |
| 200457 32.8 ft. (10m) | MAT9440078 | 4 X 16 | .37 | (9.5) |
| 200458 49.2 ft. (15m) | MAT9440079 | 4 X 16 | .37 | (9.5) |
| 200459 65.6 ft. (20m) | MAT9440080 | 4 X 16 | .37 | (9.5) |
| 200460 82.0 ft. (25m) | MAT9440081 | 4 X 16 | .37 | (9.5) |
| 200468 16.4 ft. (5m) | MAT9440082 | 4 X 14 | .43 | (11.0) |
| 200469 32.8 ft. (10m) | MAT9440083 | 4 X 14 | .43 | (11.0) |
| 200470 49.2 ft. (15m) | MAT9440084 | 4 X 14 | .43 | (11.0) |
| 200471 65.6 ft. (20m) | MAT9440085 | 4 X 14 | .43 | (11.0) |
| 200472 82.0 ft. (25m) | MAT9440086 | 4 X 14 | .43 | (11.0) |
| 200618 16.4 ft. (5m) | MAT9440087 | 4 X 12 | .55 | (14.0) |
| 200619 32.8 ft. (10m) | MAT9440088 | 4 X 12 | .55 | (14.0) |
| 200620 49.2 ft. (15m) | MAT9440089 | 4 X 12 | .55 | (14.0) |
| 200621 65.6 ft. (20m) | MAT9440090 | 4 X 12 | .55 | (14.0) |
| 200622 82.0 ft. (25m) | MAT9440091 | 4 X 12 | .55 | (14.0) |

Note: The mentioned external diameters are maximum values.

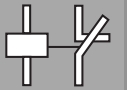
Chainflex® TPE cables



Typical application area – TPE

- for maximum mechanical load requirements
- almost unlimited resistance to oil, also with bio-oils
- indoor and outdoor applications, UV-resistant
- especially for unsupported and gliding travel distances up to 400 m and more
- storage and retrieval units for high-bay warehouses, machining units/ machine tools, quick handling, clean room, semiconductor insertion, ship to shore, outdoor cranes, low-temperature applications

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 300 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: gray (similar to RAL 7001)

Basic Cable



| Manufacturer Part No. | Length | igus® Part No. | Power # of Conductors x AWG | Diameter in. | Diameter (mm) |
|-----------------------|----------------|----------------|-----------------------------|--------------|---------------|
| 84972 | 16.4 ft. (5m) | MAT9320001 | 4 PR x 24 | .31 | (8.0) |
| 84973 | 32.8 ft. (10m) | MAT9320009 | 4 PR x 24 | .31 | (8.0) |
| 84974 | 49.2 ft. (15m) | MAT9320010 | 4 PR x 24 | .31 | (8.0) |
| 84975 | 65.6 ft. (20m) | MAT9320011 | 4 PR x 24 | .31 | (8.0) |
| 87655 | 82.0 ft. (25m) | MAT9320012 | 4 PR x 24 | .31 | (8.0) |
| 90287 | 16.4 ft. (5m) | MAT9320002 | 8 PR x 24 | .45 | (11.5) |
| 91019 | 32.8 ft. (10m) | MAT9320013 | 8 PR x 24 | .45 | (11.5) |
| 91811 | 49.2 ft. (15m) | MAT9320014 | 8 PR x 24 | .45 | (11.5) |
| 91807 | 65.6 ft. (20m) | MAT9320015 | 8 PR x 24 | .45 | (11.5) |
| 92205 | 82.0 ft. (25m) | MAT9320016 | 8 PR x 24 | .45 | (11.5) |
| 107915 | 16.4 ft. (5m) | MAT9320004 | 8 PR x 24 | .45 | (11.5) |
| 107916 | 32.8 ft. (10m) | MAT9320017 | 8 PR x 24 | .45 | (11.5) |
| 107917 | 49.2 ft. (15m) | MAT9320018 | 8 PR x 24 | .45 | (11.5) |
| 107918 | 65.6 ft. (20m) | MAT9320019 | 8 PR x 24 | .45 | (11.5) |
| 107919 | 82.0 ft. (25m) | MAT9320020 | 8 PR x 24 | .45 | (11.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Danaher Motion

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 85034 16.4 ft. (5m) | MAT9320007 | 6 PR x 24 | .37 | (9.5) |
| 85035 32.8 ft. (10m) | MAT9320021 | 6 PR x 24 | .37 | (9.5) |
| 85036 49.2 ft. (15m) | MAT9320022 | 6 PR x 24 | .37 | (9.5) |
| 85037 65.6 ft. (20m) | MAT9320023 | 6 PR x 24 | .37 | (9.5) |

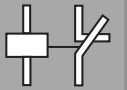
Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 85039 82.0 ft. (25m) | MAT9320008 | 6 PR x 24 | .37 | (9.5) |
| 85040 16.4 ft. (5m) | MAT9320024 | 6 PR x 24 | .37 | (9.5) |
| 85041 32.8 ft. (10m) | MAT9320025 | 6 PR x 24 | .37 | (9.5) |
| 85042 49.2 ft. (15m) | MAT9320026 | 6 PR x 24 | .37 | (9.5) |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



- Oil-resistant
- Shielded
- Nominal voltage: 300 V
- Temperature range (flexing): -31°F to +212°F (-35°C to +100°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: Blue

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| 84972 16.4 ft. (5m) | MAT9330001 | 4 PR x 24 | .31 | (8.0) |
| 84973 32.8 ft. (10m) | MAT9330009 | 4 PR x 24 | .31 | (8.0) |
| 84974 49.2 ft. (15m) | MAT9330010 | 4 PR x 24 | .31 | (8.0) |
| 84975 65.6 ft. (20m) | MAT9330011 | 4 PR x 24 | .31 | (8.0) |
| 87655 82.0 ft. (25m) | MAT9330012 | 4 PR x 24 | .31 | (8.0) |
| 90287 16.4 ft. (5m) | MAT9330002 | 8 PR x 24 | .45 | (11.5) |
| 91019 32.8 ft. (10m) | MAT9330013 | 8 PR x 24 | .45 | (11.5) |
| 91811 49.2 ft. (15m) | MAT9330014 | 8 PR x 24 | .45 | (11.5) |
| 91807 65.6 ft. (20m) | MAT9330015 | 8 PR x 24 | .45 | (11.5) |
| 92205 82.0 ft. (25m) | MAT9330016 | 8 PR x 24 | .45 | (11.5) |
| 107915 16.4 ft. (5m) | MAT9330004 | 8 PR x 24 | .45 | (11.5) |
| 107916 32.8 ft. (10m) | MAT9330017 | 8 PR x 24 | .45 | (11.5) |
| 107917 49.2 ft. (15m) | MAT9330018 | 8 PR x 24 | .45 | (11.5) |
| 107918 65.6 ft. (20m) | MAT9330019 | 8 PR x 24 | .45 | (11.5) |
| 107919 82.0 ft. (25m) | MAT9330020 | 8 PR x 24 | .45 | (11.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Danaher Motion

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| 85034 16.4 ft. (5m) | MAT9330007 | 6 PR x 24 | .37 | (9.5) |
| 85035 32.8 ft. (10m) | MAT9330021 | 6 PR x 24 | .37 | (9.5) |
| 85036 49.2 ft. (15m) | MAT9330022 | 6 PR x 24 | .37 | (9.5) |
| 85037 65.6 ft. (20m) | MAT9330023 | 6 PR x 24 | .37 | (9.5) |

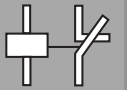
Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| 85039 82.0 ft. (25m) | MAT9330008 | 6 PR x 24 | .37 | (9.5) |
| 85040 16.4 ft. (5m) | MAT9330024 | 6 PR x 24 | .37 | (9.5) |
| 85041 32.8 ft. (10m) | MAT9330025 | 6 PR x 24 | .37 | (9.5) |
| 85042 49.2 ft. (15m) | MAT9330026 | 6 PR x 24 | .37 | (9.5) |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant, coolant-resistant
- Shielded
- Flame-retardant
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Nominal voltage: 1000 V
- Temperature range (flexing): -4°F to +176°F (-20°C to +80°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: Orange (similar to RAL 2003)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| LX660-8077-T261 | MAT9200061 | 4 x 16 | .33 | (8.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T264 | MAT9200064 | 4 x 14 | .41 | (10.5) |
| LX660-8077-T266 | MAT9200066 | 4 x 14 | .41 | (10.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T265 | MAT9200065 | 4 x 14 | .41 | (10.5) |
| LX660-8077-T267 | MAT9200067 | 4 x 14 | .41 | (10.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T270 | MAT9200070 | 4 x 12 | .47 | (12.0) |
| LX660-8077-T272 | MAT9200072 | 4 x 8 | .69 | (17.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T271 | MAT9200071 | 4 x 12 | .47 | (12.0) |
| LX660-8077-T273 | MAT9200073 | 4 x 8 | .69 | (17.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Fanuc

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T291 | MAT9200091 | 4 x 14 | .41 | (10.5) |
| LX660-8077-T293 | MAT9200093 | 4 x 12 | .47 | (12.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T292 | MAT9200092 | 4 x 12 | .47 | (12.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T296 | MAT9200096 | 4 x 14 | .41 | (10.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T298 | MAT9200098 | 4 x 12 | .61 | (15.5) |

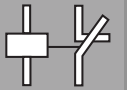
Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T300 | MAT9200300 | 4 x 14 | .49 | (12.0) |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant and coolant-resistant
- Shielded
- Flame-retardant
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Nominal voltage: 1000 V
- Temperature range (flexing): -4°F to +176°F (-20°C to +80°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: Orange (similar to RAL 2003)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T261 | MAT9210061 | 4 x 16 | .41 | (10.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T264 | MAT9210064 | 4 x 14 | .47 | (12.0) |
| LX660-8077-T266 | MAT9210066 | 4 x 14 | .47 | (12.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T265 | MAT9210065 | 4 x 14 | .47 | (12.0) |
| LX660-8077-T267 | MAT9210067 | 4 x 14 | .47 | (12.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T270 | MAT9210070 | 4 x 12 | .61 | (15.5) |
| LX660-8077-T272 | MAT9210072 | 4 x 8 | .81 | (20.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T271 ⁽¹⁾ | MAT9210071 | 4 x 12 | .61 | (15.5) |
| LX660-8077-T273 | MAT9210073 | 4 x 8 | .81 | (20.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Fanuc

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T291 | MAT9210091 | 4 x 14 | .47 | (12.0) |
| LX660-8077-T293 ⁽¹⁾ | MAT9210093 | 4 x 12 | .61 | (15.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T292 ⁽¹⁾ | MAT9210092 | 4 x 12 | .61 | (15.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T296 | MAT9210096 | 4 x 14 | .47 | (12.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T298 ⁽¹⁾ | MAT9210098 | 4 x 12 | .61 | (15.5) |

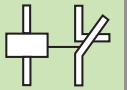
Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-8077-T300 | MAT9210300 | 4 x 14 | .49 | (12.0) |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

Harnessed according to Fanuc

CLASS
6.3.3

- Oil-resistant and coolant-resistant
- Shielded
- Flame-retardant
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Nominal voltage: 30 V
- Temperature range (flexing): -4°F to +176°F (-20°C to +80°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: Yellow Green (similar to RAL 6018)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| LX660-4077-T296 | MAT9300296 | 5C x 20 | .30 | (7.5) |
| | | 1 PR x 24 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| LX660-4077-T297 | MAT9300297 | 5 C x 20 | .30 | (7.5) |
| | | 1 PR x 24 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| LX660-4077-T302 | MAT9300302 | 6 C x 20 | .38 | (9.6) |
| | | 5 PR x 24 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| LX660-4077-T303 | MAT9300303 | 6 C x 20 | .38 | (9.6) |
| | | 5 PR x 24 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| LX660-4077-T319 | MAT9300319 | 6 C x 20 | .38 | (9.6) |
| | | 5 PR x 24 | | |

Note: The mentioned external diameters are maximum values.

No Minimum Order • No Cut Charges on up to 10 cuts of the same part number



Chainflex® TPE Position Feedback



Position
Feedback
TPE

Harnessed according to Fanuc

- Oil-resistant and coolant-resistant
- Shielded
- Nominal voltage: 30 V
- Temperature range (flexing): -31°F to +212°F (-35°C to +100°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: Green (similar to RAL 6018)

CLASS
6.4.4

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| LX660-4077-T296 | MAT9310296 | 5 C x 20 1 PR x 24 | .33 | (8.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| LX660-4077-T297 | MAT9310297 | 5 C x 20 1 PR x 24 | .33 | (8.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-4077-T302 | MAT9310302 | 6 C x 20 5 PR x 24 | .49 | (12.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-4077-T303 | MAT9310303 | 6 C x 20 5 PR x 24 | .49 | (12.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| LX660-4077-T319 | MAT9310319 | 6 C x 20 5 PR x 24 | .49 | (12.5) |

Note: The mentioned external diameters are maximum values.



Clean-Room

No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant and coolant-resistant
- Shielded
- Flame-retardant
- Notch-resistant, hydrolysis-resistant and
- microbe-resistant
- Nominal voltage: 30 V
- Temperature range (flexing): -4°F to +176°F (-20°C to +80°C)

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|--|-------------------|
| 332 115-xx | MAT94901001 | 4 PR x 26 (4 C x 26) SHLD 4 C x 20 | .47 (12.0) |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|--|-------------------|
| 360 472-xx | MAT94901002 | 4 PR x 26 (4 C x 26) SHLD 4 C x 20 | .47 (12.0) |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|-------------------------------------|-------------------|
| 310 197-xx | MAT94902001 | (3 PR x 26) SHLD (2 C x 20) SHLD | .47 (12.0) |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|--|-------------------|
| 324 544-xx | MAT94902002 | 4 PR x 26 (4 C x 26) SHLD 4 C x 20 | .47 (12.0) |
| 310 199-xx | MAT94902003 | 4 PR x 26 4 C x 20 | .39 (10.0) |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|-----------------------------|-------------------|
| 309 738-xx | MAT94903001 | 4 PR x 26 4 C x 20 | .39 (10.0) |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|--|-------------------|
| 354 411-xx | MAT94904001 | 4 PR x 26 (4 C x 26) SHLD 4 C x 20 | .47 (12.0) |
| 355 398-xx | MAT94904002 | 4 PR x 26 (4 C x 26) SHLD 4 C x 20 | .47 (12.0) |



Harnessed according to Heidenhain

- Minimum bending radius for use in Energy Chains®:
10 x cable diameter
- Color: Green (similar to RAL 6018)

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 298 399-xx | MAT94905001 | 4 PR X 26 | .39 | (10.0) |
| | | 4 C x 20 | | |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 309 774-xx | MAT94906001 | 4 PR x 26 | .39 | (10.0) |
| | | 4 C x 20 | | |
| 298 400-xx | MAT94906002 | 4 PR x 26 | .39 | (10.0) |
| | | 4 C x 20 | | |
| 323 897-xx | MAT94907004 | 4 PR x 26 | .47 | (12.0) |
| | | (4C x 26) SHLD | | |
| | | 4 C x 20 | | |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 309 777-xx | MAT94907001 | 4 PR x 26 | .39 | (10.0) |
| | | 4 C x 20 | | |
| 309 778-xx | MAT94907002 | 4 PR x 26 | .47 | (12.0) |
| | | (4 C x 26) SHLD | | |
| | | 4 C x 20 | | |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 310 193-xx | MAT94907003 | (3 PR x 26) SHLD | .47 | (12.0) |
| | | 2 C x 20) SHLD | | |

Connecting Cable



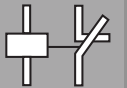
| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 335 077-xx | MAT94908001 | 4 PR x 26 | .39 | (10.0) |
| | | 4 C x 20 | | |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 298 402-xx | MAT94909001 | 4 PR x 26 | .39 | (10.0) |
| | | 4 C x 20 | | |

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



- Oil-resistant
- Shielded
- Nominal voltage: 30 V
- Temperature range (flexing): -31°F to +212°F (-35°C to +100°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|-----------------------------|-------------------|
| 332 115-xx | MAT93901001 | 4 PR x 26 | .47 (12.0) |
| | | (4 C x 26) SHLD | |
| | | 4 C x 20 | |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|-----------------------------|-------------------|
| 360 472-xx | MAT93901002 | 4 PR x 26 | .47 (12.0) |
| | | (4 C x 26) SHLD | |
| | | 4 C x 20 | |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|-----------------------------|-------------------|
| 310 197-xx | MAT93902001 | (3 PR x 26) SHLD | .49 (12.5) |
| | | (2 C x 20) SHLD | |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|-----------------------------|-------------------|
| 324 544-xx | MAT93902002 | 4 PR x 26 | .47 (12.0) |
| | | (4 C x 26) SHLD | |
| | | 4 C x 20 | |
| 310 199-xx | MAT93902003 | 4 PR x 26 | .35 (9.0) |
| | | 4 C x 20 | |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|-----------------------------|-------------------|
| 309 738-xx | MAT93903001 | 4 PR x 26 | .35 (9.0) |
| | | 4 C x 20 | |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter in. (mm) |
|-----------------------|----------------|-----------------------------|-------------------|
| 354 411-xx | MAT93904001 | 4 PR x 26 | .47 (12.0) |
| | | (4 C x 26) SHLD | |
| | | 4 C x 20 | |
| 355 398-xx | MAT93904002 | 4 PR x 26 | .47 (12.0) |
| | | (4 C x 26) SHLD | |
| | | 4 C x 20 | |



Harnessed according to Heidenhain

- Color: Green (similar to RAL 6018)

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 298 399-xx | MAT93905001 | 4 PR X 26 4 C x 20 | .35 | (9.0) |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|---|----------|--------|
| | | | in. | (mm) |
| 309 774-xx | MAT93906001 | 4 PR x 26 4 C x 20 | .35 | (9.0) |
| 298 400-xx | MAT93906002 | 4 PR x 26 4 C x 20 | .35 | (9.0) |
| 323 897-xx | MAT93907004 | 4 PR x 26 (4C x 26) SHLD 4 C x 20 | .47 | (12.0) |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--|----------|--------|
| | | | in. | (mm) |
| 309 777-xx | MAT93907001 | 4 PR x 26 4 C x 20 | .35 | (9.0) |
| 309 778-xx | MAT93907002 | 4 PR x 26 (4 C x 26) SHLD 4 C x 20 | .47 | (12.0) |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|------------------------------------|----------|--------|
| | | | in. | (mm) |
| 310 193-xx | MAT93907003 | (3 PR x 26) SHLD 2 C x 20) SHLD | .49 | (12.5) |

Connecting Cable



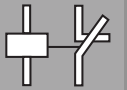
| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 335 077-xx | MAT93908001 | 4 PR x 26 4 C x 20 | .39 | (10.0) |

Connecting Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 298 402-xx | MAT93909001 | 4 PR x 26 4 C x 20 | .35 | (9.0) |

Internet: <http://www.igus.com>
email: sales@igus.com
QuickSpec/RFQ: <http://www.igus.com/quickspec>



- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 1000 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: green (similar to RAL 6005)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power | Signal | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | in. | (mm) |
| EWLMxxxGMS-015C | MAT9130001 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EWLMxxxGMS-025 | MAT9130002 | 4 x 16 | 1 x 17 | .53 | (13.5) |
| EYP0010AxxxxM01A00- | MAT9130050 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EYP0011AxxxxM01A00- | MAT9130051 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EYP0012AxxxxM01A00- | MAT9130052 | 4 x 14 | 1 x 17 | .53 | (13.5) |
| EYP0012AxxxxM02A00- | MAT9130053 | 4 x 14 | 1 x 17 | .53 | (13.5) |
| EYP0013AxxxxM02A00- | MAT9130054 | 4 x 12 | 1 x 17 | .61 | (15.5) |
| EYP0014AxxxxM03A00- | MAT9130055 | 4 x 10 | 1 x 17 | .71 | (18.0) |
| EYP0015AxxxxM03A00- | MAT9130056 | 4 x 8 | 1 x 17 | .87 | (22.0) |
| EYP0016AxxxxM03A00- | MAT9130057 | 4 x 6 | 1 x 17 | .96 | (24.5) |
| EYP0012xxxxA00P02- | MAT9130058 | 4 x 14 | 1 x 17 | .53 | (13.5) |
| EYP0013xxxxA00P02- | MAT9130059 | 4 x 12 | 1 x 17 | .61 | (15.5) |
| EYP0014xxxxA00P03- | MAT9130060 | 4 x 10 | 1 x 17 | .87 | (22.0) |
| EYP0015xxxxA00P03- | MAT9130061 | 4 x 8 | 1 x 17 | .87 | (22.0) |
| EYP0016xxxxA00P03- | MAT9130062 | 4 x 6 | 1 x 17 | .96 | (24.5) |
| EYP0010xxxxA00P01- | MAT9130063 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EYP0011xxxxA00P01- | MAT9130064 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EYP0012xxxxA00P01- | MAT9130065 | 4 x 14 | 1 x 17 | .53 | (13.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Lenze

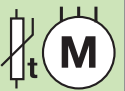
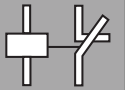
Basic Cable



| Manufacturer Part No. | igus® Part No. | Power | Signal | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | in. | (mm) |
| EWLMxxxZM-015C | MAT9130006 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EWLMxxxZM-025 | MAT9130007 | 4 x 16 | 1 x 17 | .53 | (13.5) |
| EYP0012xxxxM02P02- | MAT9130066 | 4 x 14 | 1 x 17 | .53 | (13.5) |
| EYP0013xxxxM02P02- | MAT9130067 | 4 x 12 | 1 x 17 | .61 | (15.5) |
| EYP0014xxxxM03P03- | MAT9130068 | 4 x 10 | 1 x 17 | .87 | (22.0) |
| EYP0015xxxxM03P03- | MAT9130069 | 4 x 8 | 1 x 17 | .87 | (22.0) |
| EYP0016xxxxM03P03- | MAT9130070 | 4 x 6 | 1 x 17 | .96 | (24.5) |
| EYP0010xxxxM01P01- | MAT9130071 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EYP0011xxxxM01P01- | MAT9130072 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EYP0012xxxxM01P01- | MAT9130073 | 4 x 14 | 1 x 17 | .53 | (13.5) |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



Chainflex® PVC cables



Typical application area – PVC

- for high mechanical load requirements
- light oil influence
- preferably indoor applications, but also outdoor ones at temperatures > 5 °C
- especially for unsupported and gliding travel distances up to 100 m
- storage and retrieval units for high-bay warehouses, machining units/packaging machines, quick handling, indoor cranes, timber processing

No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant and coolant resistant
- Shielded
- Flame-retardant
- Notch-resistant, hydrolysis-resistant and microbe resistant
- Nominal voltage: 1000 V
- Temperature range (flexing): -4°F to +176°F (-20°C to +80°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: orange (similar to RAL 2003)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power | Signal | Diameter | |
|-----------------------|----------------|-----------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | in. | (mm) |
| EWLMxxxGMS-015C | MAT9120001 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EWLMxxxGMS-025 | MAT9120002 | 4 x 16 | 1 x 17 | .53 | (13.5) |
| EYP0010AxxxxM01A00- | MAT9120050 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EYP0011AxxxxM01A00- | MAT9120051 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EYP0012AxxxxM01A00- | MAT9120052 | 4 x 14 | 1 x 17 | .53 | (13.5) |
| EYP0012AxxxxM02A00- | MAT9120053 | 4 x 14 | 1 x 17 | .53 | (13.5) |
| EYP0013AxxxxM02A00- | MAT9120054 | 4 x 12 | 1 x 17 | .61 | (15.5) |
| EYP0014AxxxxM03A00- | MAT9120055 | 4 x 10 | 1 x 17 | .69 | (17.5) |
| EYP0015AxxxxM03A00- | MAT9120056 | 4 x 8 | 1 x 17 | .81 | (20.5) |
| EYP0016AxxxxM03A00- | MAT9120057 | 4 x 6 | 1 x 17 | .91 | (23.0) |
| EYP0012xxxxA00P02- | MAT9120058 | 4 x 14 | 1 x 17 | .53 | (13.5) |
| EYP0013xxxxA00P02- | MAT9120059 | 4 x 12 | 1 x 17 | .61 | (15.5) |
| EYP0014xxxxA00P03- | MAT9120060 | 4 x 10 | 1 x 17 | .81 | (20.5) |
| EYP0015xxxxA00P03- | MAT9120061 | 4 x 8 | 1 x 17 | .81 | (20.5) |
| EYP0016xxxxA00P03- | MAT9120062 | 4 x 6 | 1 x 17 | .91 | (23.0) |
| EYP0010xxxxA00P01- | MAT9120063 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EYP0011xxxxA00P01- | MAT9120064 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| EYP0012xxxxA00P01- | MAT9120065 | 4 x 14 | 1 x 17 | .53 | (13.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Lenze

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power | | Signal | | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|--------|--------|----------|--|
| | | # of Conductors x AWG | # of Pairs x AWG | in. | (mm) | | |
| EWLMxxxZM-015C | MAT9120006 | 4 x 16 | 1 x 17 | .49 | (12.5) | | |
| EWLMxxxZM-025 | MAT9120007 | 4 x 16 | 1 x 17 | .53 | (13.5) | | |
| EYP0012xxxxM02P02- | MAT9120066 | 4 x 14 | 1 x 17 | .53 | (13.5) | | |
| EYP0013xxxxM02P02- | MAT9120067 | 4 x 12 | 1 x 17 | .61 | (15.5) | | |
| EYP0014xxxxM03P03- | MAT9120068 | 4 x 10 | 1 x 17 | .69 | (17.5) | | |
| EYP0015xxxxM03P03- | MAT9120069 | 4 x 8 | 1 x 17 | .81 | (20.5) | | |
| EYP0016xxxxM03P03- | MAT9120070 | 4 x 6 | 1 x 17 | .91 | (23.0) | | |
| EYP0010xxxxM01P01- | MAT9120071 | 4 x 16 | 1 x 17 | .49 | (12.5) | | |
| EYP0011xxxxM01P01- | MAT9120072 | 4 x 16 | 1 x 17 | .49 | (12.5) | | |
| EYP0012xxxxM01P01- | MAT9120073 | 4 x 14 | 1 x 17 | .53 | (13.5) | | |

Note: The mentioned external diameters are maximum values.

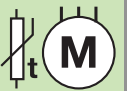
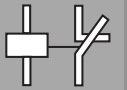
Chainflex® PUR cables



Typical application area – PUR

- for maximum mechanical load requirements
- almost unlimited resistance to oil
- Indoor and outdoor applications, UV-resistant
- especially for unsupported and gliding travel distances up to 100 m
- storage and retrieval units for high-bay warehouses, machining units/machine tools, quick handling, clean room, semiconductor insertion, outdoor cranes, low-temperature applications

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

Harnessed according to Lenze

CLASS
5.3.2

- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 300 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: gray (similar to RAL 7001)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLRxxxGM-T | MAT9130021 | (3 PR x 26) SHLD | .35 | (9.0) |
| 2 C x 20 | | | | |

Linking Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLRxxxZMST | MAT9130022 | (3 PR x 26) SHLD | .35 | (9.0) |
| 2 C x 20 | | | | |

Terminal Box connection cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLRxxxGX-T | MAT9130023 | (3 PR x 26) SHLD | .35 | (9.0) |
| 2 C x 20 | | | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLExxxGM-T | MAT9130026 | 4 PR x 24 | .37 | (9.5) |
| 2 C x 17 | | | | |

Linking Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLExxxZMST | MAT9130027 | 4 PR x 24 | .37 | (9.5) |
| 2 C x 17 | | | | |

Terminal Box connection cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLExxxGX-T | MAT9130028 | 4 PR x 24 | .37 | (9.5) |
| 2 C x 17 | | | | |



Harnessed according to Lenze

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EYF0020VxxxxA00G01 | MAT9130080 | 3 PR x 26 | .37 | (9.5) |
| | | 3 C x 26 | | |
| EYF0019VxxxxA00G02 | MAT9130081 | (4 PR x 26) SHLD | .43 | (11.0) |
| | | 2 C x 17 | | |
| EYF0022VxxxxA00G03 | MAT9130082 | (3 PR x 26) SHLD | .43 | (11.0) |
| | | (4 C x 26) SHLD | | |
| | | 2 PR x 20 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EYF0021AxxxxF03S03 | MAT9130086 | 3 PR x 26 | .43 | (11.0) |
| | | 4 C x 26 | | |
| | | 2 PR x 20 | | |
| EYF0018AxxxxF02S03 | MAT9130088 | 4 PR x 26 | .43 | (11.0) |
| | | 2 C x 17 | | |
| EYF0020AxxxxF01S05 | MAT9130090 | 3 PR x 26 | .37 | (9.5) |
| | | 3 C x 26 | | |

Basic Cable



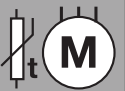
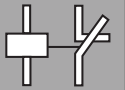
| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EYF0018AxxxxF02W02 | MAT9130087 | (4 PR x 26) SHLD | .43 | (11.0) |
| | | 2 C x 17 | | |
| EYF0020AxxxxF01S04 | MAT9130089 | (3 PR x 26) SHLD | .37 | (9.5) |
| | | 3 C x 26 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EYF0018AxxxxA00W02 | MAT9130091 | (4 PR x 26) SHLD | .43 | (11.0) |
| | | 2 C x 17 | | |
| EYF0020AxxxxA00S04 | MAT9130092 | (3 PR x 26) SHLD | .37 | (9.5) |
| | | 3 C x 26 | | |

Internet: <http://www.igus.com>
email: sales@igus.com
QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

Harnessed according to Lenze

CLASS
5.3.2

- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 300 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: gray (similar to RAL 7001)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|--|----------|--------|
| | | | in. | (mm) |
| EYF0020AxxxxA00S05 | MAT9130093 | (3 PR x 26) SHLD 3 C x 26 | .37 | (9.5) |
| EYF0021AxxxxA00S03 | MAT9130094 | (3 PR x 26) SHLD (4 C x 26) SHLD 2 PR x 20 | .43 | (11.0) |
| EYF0018AxxxxA00S03 | MAT9130095 | (4 PR x 26) SHLD 2 C x 17 | .43 | (11.0) |

Linking Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|--|----------|--------|
| | | | in. | (mm) |
| EYF0020VxxxxF01G01 | MAT9130083 | (3 PR x 26) SHLD 3 C x 26 | .37 | (9.5) |
| EYF0019VxxxxF02G02 | MAT9130084 | (4 PR x 26) SHLD 2 C x 17 | .43 | (11.0) |
| EYF0022VxxxxF03G03 | MAT9130085 | (3 PR x 26) SHLD (4 C x 26) SHLD 2 PR x 20 | .43 | (11.0) |



Harnessed according to Lenze

Connecting Cable



| Manufacturer | igus® | Power | Diameter | |
|--------------------|------------|-----------------------|----------|-------|
| Part No. | Part No. | # of Conductors x AWG | in. | (mm) |
| EYD0017AxxxxW01S01 | MAT9130100 | (3 PR x 26) SHLD | .37 | (9.5) |
| 3 C x 26 | | | | |

Connecting Cable



| Manufacturer | igus® | Power | Diameter | |
|--------------------|------------|-----------------------|----------|-------|
| Part No. | Part No. | # of Conductors x AWG | in. | (mm) |
| EYD0017AxxxxW01S02 | MAT9130101 | (3 PR x 26) SHLD | .37 | (9.5) |
| 3 C x 26 | | | | |

Connecting Cable



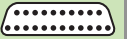
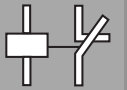
| Manufacturer | igus® | Power | Diameter | |
|--------------------|------------|-----------------------|----------|-------|
| Part No. | Part No. | # of Conductors x AWG | in. | (mm) |
| EYD0017AxxxxW03S01 | MAT9130102 | (3 PR x 26) SHLD | .37 | (9.5) |
| 3 C x 26 | | | | |

Connecting Cable



| Manufacturer | igus® | Power | Diameter | |
|--------------------|------------|-----------------------|----------|-------|
| Part No. | Part No. | # of Conductors x AWG | in. | (mm) |
| EYD0017AxxxxW03S02 | MAT9130103 | (3 PR x 26) SHLD | .37 | (9.5) |
| 3 C x 26 | | | | |

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



- Oil-resistant
- Shielded
- Nominal voltage: 30 V
- Temperature range (flexing): -31°F to +212°F (-35°C to +100°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: Green (similar to RAL 6018)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EWLRxxxGM-T | MAT9120021 | (3 PR x 26) SHLD | .49 | (12.5) |
| 2 C x 20 | | | | |

Linking Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EWLRxxxZMST | MAT9120022 | (3 PR x 26) SHLD | .49 | (12.5) |
| 2 C x 20 | | | | |

Terminal Box
connection cable

| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EWLRxxxGX-T | MAT9120023 | (3 PR x 26) SHLD | .49 | (12.5) |
| 2 C x 20 | | | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLExxxGM-T | MAT9120026 | 4 PR x 24 | .37 | (9.5) |
| 2 C x 17 | | | | |

Linking Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLExxxZMST | MAT9120027 | 4 PR x 24 | .37 | (9.5) |
| 2 C x 17 | | | | |

Terminal Box
connection cable

| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLExxxGX-T | MAT9120028 | 4 PR x 24 | .37 | (9.5) |
| 2 C x 17 | | | | |



Harnessed according to Lenze

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EYF0020VxxxxA00G01 | MAT9120080 | 3 PR x 26 | .37 | (9.5) |
| | | 3 C x 26 | | |
| EYF0019VxxxxA00G02 | MAT9120081 | (4 PR x 26) SHLD | .43 | (11.0) |
| | | 2 C x 17 | | |
| EYF0022VxxxxA00G03 | MAT9120082 | (3 PR x 26) SHLD | .47 | (12.0) |
| | | (4 C x 26) SHLD | | |
| | | 2 PR x 20 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EYF0021AxxxxF03S03 | MAT9120086 | 3 PR x 26 | .47 | (12.0) |
| | | 4 C x 26 | | |
| | | 2 PR x 20 | | |
| EYF0018AxxxxF02S03 | MAT9120088 | 4 PR x 26 | .43 | (11.0) |
| | | 2 C x 17 | | |
| EYF0020AxxxxF01S05 | MAT9120090 | 3 PR x 26 | .37 | (9.5) |
| | | 3 C x 26 | | |

Basic Cable



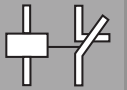
| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EYF0018AxxxxF02W02 | MAT9120087 | (4 PR x 26) SHLD | .43 | (11.0) |
| | | 2 C x 17 | | |
| EYF0020AxxxxF01S04 | MAT9120089 | (3 PR x 26) SHLD | .37 | (9.5) |
| | | 3 C x 26 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| EYF0018AxxxxA00W02 | MAT9120091 | (4 PR x 26) SHLD | .43 | (11.0) |
| | | 2 C x 17 | | |
| EYF0020AxxxxA00S04 | MAT9120092 | (3 PR x 26) SHLD | .37 | (9.5) |
| | | 3 C x 26 | | |

Internet: <http://www.igus.com>
email: sales@igus.com
QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

Harnessed according to Lenze

CLASS
6.4.4

- Oil-resistant
- Shielded
- Nominal voltage: 30 V
- Temperature range (flexing): -31°F to +212°F (-35°C to +100°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: Green (similar to RAL 6018)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|--|----------|--------|
| | | | in. | (mm) |
| EYF0020AxxxxA00S05 | MAT9120093 | (3 PR x 26) SHLD 3 C x 26 | .37 | (9.5) |
| EYF0021AxxxxA00S03 | MAT9120094 | (3 PR x 26) SHLD (4 C x 26) SHLD 2 PR x 20 | .47 | (12.0) |
| EYF0018AxxxxA00S03 | MAT9120095 | (4 PR x 26) SHLD 2 C x 17 | .43 | (11.0) |

Linking Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|--|----------|--------|
| | | | in. | (mm) |
| EYF0020VxxxxF01G01 | MAT9120083 | (3 PR x 26) SHLD 3 C x 26 | .37 | (9.5) |
| EYF0019VxxxxF02G02 | MAT9120084 | (4 PR x 26) SHLD 2 C x 17 | .43 | (11.0) |
| EYF0022VxxxxF03G03 | MAT9120085 | (3 PR x 26) SHLD (4 C x 26) SHLD 2 PR x 20 | .47 | (12.0) |



Clean-Room

Harnessed according to Lenze

Connecting Cable



| Manufacturer | igus® | Power | Diameter | |
|--------------------|------------|-----------------------|----------|-------|
| Part No. | Part No. | # of Conductors x AWG | in. | (mm) |
| EYD0017AxxxxW01S01 | MAT9120100 | (3 PR x 26) SHLD | .37 | (9.5) |
| 3 C x 26 | | | | |

Connecting Cable



| Manufacturer | igus® | Power | Diameter | |
|--------------------|------------|-----------------------|----------|-------|
| Part No. | Part No. | # of Conductors x AWG | in. | (mm) |
| EYD0017AxxxxW01S02 | MAT9120101 | (3 PR x 26) SHLD | .37 | (9.5) |
| 3 C x 26 | | | | |

Connecting Cable



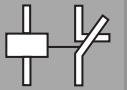
| Manufacturer | igus® | Power | Diameter | |
|--------------------|------------|-----------------------|----------|-------|
| Part No. | Part No. | # of Conductors x AWG | in. | (mm) |
| EYD0017AxxxxW03S01 | MAT9120102 | (3 PR x 26) SHLD | .37 | (9.5) |
| 3 C x 26 | | | | |

Connecting Cable



| Manufacturer | igus® | Power | Diameter | |
|--------------------|------------|-----------------------|----------|-------|
| Part No. | Part No. | # of Conductors x AWG | in. | (mm) |
| EYD0017AxxxxW03S02 | MAT9120103 | (3 PR x 26) SHLD | .37 | (9.5) |
| 3 C x 26 | | | | |

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



Harnessed according to Lenze

- Oil-resistant
- Flame-retardant
- Nominal voltage: 300 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 6.8 - 7.5 x cable diameter
- Color: green (similar to RAL 6005)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| EWLLxxxGMS | MAT9130031 | 3 X 17 | .28 | (7.0) |
| EYL002AxxxxL01A00 | MAT9130040 | 5 X 17 | .33 | (8.5) |
| EYL002AxxxxL02A00 | MAT9130041 | 5 X 17 | .33 | (8.5) |
| EYL002VxxxxA00J01 | MAT9130042 | 5 X 17 | .33 | (8.5) |
| EYL002VxxxxA00J02 | MAT9130043 | 5 X 17 | .33 | (8.5) |

Linking Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| EWLLXXXZM | MAT9130032 | 3 x 17 | .28 | (7.0) |
| EYL002VxxxxL01J01 | MAT9130044 | 5 X 17 | .33 | (8.5) |
| EYL002VxxxxL02J02 | MAT9130045 | 5 X 17 | .33 | (8.5) |

Note: The mentioned external diameters are maximum values.



Chainflex® TPE Control Cable



Control
TPE

Harnessed according to Lenze

- Oil-resistant and bio-oil-resistant
- Nominal voltage: 300 V
- Temperature range (flexing): -31°F to +212°F (-35°C to +100°C)
- Minimum bending radius for use in Energy Chains®: 5 x cable diameter
- Color: Blue (similar to RAL 5011)

CLASS
7.4.4

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLLxxxGMS | MAT9120031 | 3 X 17 | .24 | (6.0) |
| EYL002AxxxxL01A00 | MAT9120040 | 5 X 17 | .28 | (7.0) |
| EYL002AxxxxL02A00 | MAT9120041 | 5 X 17 | .28 | (7.0) |
| EYL002VxxxxA00J01 | MAT9120042 | 5 X 17 | .28 | (7.0) |
| EYL002VxxxxA00J02 | MAT9120043 | 5 X 17 | .28 | (7.0) |

Linking Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| EWLLXXXZM | MAT9120032 | 3 x 17 | .24 | (6.0) |
| EYL002VxxxxL01J01 | MAT9120044 | 5 X 17 | .28 | (7.0) |
| EYL002VxxxxL02J02 | MAT9120045 | 5 X 17 | .28 | (7.0) |

Note: The mentioned external diameters are maximum values.



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number



10.259

- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 1000 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: green (similar to RAL 6005)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power | Signal | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | in. | (mm) |
| IKG0001 | MAT9190022 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG0006 | MAT9190067 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG0011 | MAT9190023 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG0021 | MAT9190024 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG0041 | MAT9190017 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG0042 | MAT9190077 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG0061 | MAT9190018 | 4 x 12 | 2 x 16 | .71 | (18.0) |
| IKG0081 | MAT9190030 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG0101 | MAT9190025 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG0121 | MAT9190019 | 4 x 6 | 2 x 16 | .93 | (23.5) |
| IKG0161 | MAT9190063 | 4 x 4 | 2 x 16 | 1.18 | (30.0) |
| IKG0331 | MAT9190014 | 4 x 18 | 1 x 20 | .43 | (11.0) |
| IKG4008 | MAT9190064 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4009 | MAT9190001 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4017 | MAT9190002 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4018 | MAT9190003 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4020 | MAT9190004 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4055 | MAT9190005 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4060 | MAT9190006 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4067 | MAT9190007 | 4 x 14 | 2 x 16 | .65 | (16.5) |
| IKG4070 | MAT9190008 | 4 x 14 | 2 x 16 | .65 | (16.5) |
| IKG4072 | MAT9190068 | 4 x 14 | 2 x 16 | .65 | (16.5) |
| IKG4087 | MAT9190009 | 4 x 12 | 2 x 16 | .72 | (18.5) |
| IKG4090 | MAT9190010 | 4 x 12 | 2 x 16 | .72 | (18.5) |
| IKG4100 | MAT9190020 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG4103 | MAT9190076 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4107 | MAT9190011 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4118 | MAT9190070 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4119 | MAT9190027 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG4147 | MAT9190038 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4150 | MAT9190012 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4155 | MAT9190028 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG4164 | MAT9190035 | 4 x 8 | 2 x 16 | .93 | (23.5) |
| IKG4167 | MAT9190013 | 4 x 8 | 2 x 16 | .94 | (24.0) |
| IKG4172 | MAT9190069 | 4 x 6 | 2 x 16 | 1.02 | (26.0) |
| IKG4173 | MAT9190072 | 4 x 4 | 2 x 16 | 1.18 | (30.0) |
| IKG4186 | MAT9190021 | 4 x 6 | 2 x 16 | 1.02 | (26.0) |
| IKG4200 | MAT9190032 | 4 x 6 | 2 x 16 | 1.02 | (26.0) |
| IKG4204 | MAT9190052 | 4 x 4 | 2 x 16 | 1.18 | (30.0) |

Note: The mentioned external diameters are maximum values.

No Minimum Order • No Cut Charges on up to 10 cuts of the same part number



Harnessed according to Rexroth

Connecting Cable with adapter plugs



| Manufacturer Part No. | igus® Part No. | Power | | Signal | | Diameter | |
|-----------------------|----------------|-----------------------|------------------|------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | # of Pairs x AWG | # of Pairs x AWG | in. | (mm) |
| IKG0023 | MAT9191013 | 4 x 16 | 2 x 18 | 2 x 18 | 2 x 18 | .57 | (14.5) |
| IKG0089 | MAT9191005 | 4 x 10 | 2 x 16 | 2 x 16 | 2 x 16 | .77 | (19.5) |
| IKG0168 | MAT9191006 | 4 x 4 | 2 x 16 | 2 x 16 | 2 x 16 | 1.18 | (30.0) |
| IKG0332 | MAT9190015 | 4 x 18 | 2 x 20 | 2 x 20 | 2 x 20 | .43 | (11.0) |
| IKG4006 | MAT9191001 | 4 x 16 | 2 x 18 | 2 x 18 | 2 x 18 | .57 | (14.5) |
| IKG4016 | MAT9191002 | 4 x 16 | 2 x 18 | 2 x 18 | 2 x 18 | .57 | (14.5) |
| IKG4061 | MAT9191004 | 4 x 24 | 2 x 16 | 2 x 16 | 2 x 16 | .65 | (16.5) |
| IKG4074 | MAT9191014 | 4 x 24 | 2 x 16 | 2 x 16 | 2 x 16 | .65 | (16.5) |
| IKG4081 | MAT9191016 | 4 x 10 | 2 x 16 | 2 x 16 | 2 x 16 | .81 | (20.5) |
| IKG4141 | MAT9191003 | 4 x 10 | 2 x 16 | 2 x 16 | 2 x 16 | .77 | (19.5) |
| IKG4161 | MAT9191036 | 4 x 8 | 2 x 16 | 2 x 16 | 2 x 16 | .93 | (23.5) |

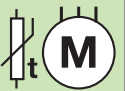
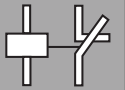
Basic Cable



| | | | | | | | |
|---------|------------|--------|--------|--------|--------|------|--------|
| IKG4300 | MAT9190071 | 4 x 16 | 2 x 18 | 2 x 18 | 2 x 18 | .57 | (14.5) |
| IKG4301 | MAT9190037 | 4 x 16 | 2 x 18 | 2 x 18 | 2 x 18 | .57 | (14.5) |
| IKG4302 | MAT9190026 | 4 x 17 | 2 x 18 | 2 x 18 | 2 x 18 | .53 | (13.5) |
| IKG4303 | MAT9190029 | 4 x 17 | 2 x 18 | 2 x 18 | 2 x 18 | .53 | (13.5) |
| IKG4306 | MAT9190040 | 4 x 16 | 2 x 18 | 2 x 18 | 2 x 18 | .57 | (14.5) |
| IKG4307 | MAT9190041 | 4 x 16 | 2 x 18 | 2 x 18 | 2 x 18 | .57 | (14.5) |
| IKG4308 | MAT9190033 | 4 x 14 | 2 x 16 | 2 x 16 | 2 x 16 | .63 | (16.0) |
| IKG4309 | MAT9190042 | 4 x 14 | 2 x 16 | 2 x 16 | 2 x 16 | .63 | (16.0) |
| IKG4310 | MAT9190043 | 4 x 14 | 2 x 16 | 2 x 16 | 2 x 16 | .63 | (16.0) |
| IKG4313 | MAT9190062 | 4 x 12 | 2 x 16 | 2 x 16 | 2 x 16 | .71 | (18.0) |
| IKG4314 | MAT9190060 | 4 x 12 | 2 x 16 | 2 x 16 | 2 x 16 | .74 | (18.8) |
| IKG4315 | MAT9190059 | 4 x 12 | 2 x 16 | 2 x 16 | 2 x 16 | .71 | (18.0) |
| IKG4317 | MAT9190061 | 4 x 10 | 2 x 16 | 2 x 16 | 2 x 16 | .77 | (19.5) |
| IKG4318 | MAT9190047 | 4 x 10 | 2 x 16 | 2 x 16 | 2 x 16 | .77 | (19.5) |
| IKG4320 | MAT9190039 | 4 x 16 | 2 x 18 | 2 x 18 | 2 x 18 | .57 | (14.5) |
| IKG4321 | MAT9190075 | 4 x 14 | 2 x 16 | 2 x 16 | 2 x 16 | .63 | (16.0) |
| IKG4322 | MAT9190078 | 4 x 12 | 2 x 16 | 2 x 16 | 2 x 16 | .71 | (18.0) |
| IKG4323 | MAT9190073 | 4 x 10 | 2 x 16 | 2 x 16 | 2 x 16 | .77 | (19.5) |
| IKG4324 | MAT9190079 | 4 x 8 | 2 x 16 | 2 x 16 | 2 x 16 | .93 | (23.5) |
| IKG4325 | MAT9190049 | 4 x 16 | 2 x 18 | 2 x 18 | 2 x 18 | .57 | (14.5) |
| IKG4326 | MAT9190045 | 4 x 14 | 2 x 16 | 2 x 16 | 2 x 16 | .63 | (16.0) |
| IKG4327 | MAT9190050 | 4 x 12 | 2 x 16 | 2 x 16 | 2 x 16 | .71 | (18.0) |
| IKG4328 | MAT9190057 | 4 x 10 | 2 x 16 | 2 x 16 | 2 x 16 | .77 | (19.5) |
| IKG4329 | MAT9190051 | 4 x 8 | 2 x 16 | 2 x 16 | 2 x 16 | .93 | (23.5) |
| IKG4330 | MAT9190080 | 4 x 6 | 2 x 16 | 2 x 16 | 2 x 16 | 1.02 | (26.0) |
| IKG4331 | MAT9190081 | 4 x 4 | 2 x 16 | 2 x 16 | 2 x 16 | 1.18 | (30.0) |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



- Oil-resistant and coolant resistant
- Shielded
- Flame-retardant
- Notch-resistant, hydrolysis-resistant and microbe resistant
- Nominal voltage: 1000 V
- Temperature range (flexing): -4°F to +176°F (-20°C to +80°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter



Basic Cable

| Manufacturer Part No. | igus® Part No. | Power | Signal | Diameter | |
|-----------------------|----------------|-----------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | in. | (mm) |
| IKG0001 | MAT9090022 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG0006 | MAT9090067 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG0011 | MAT9090023 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG0021 | MAT9090024 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG0041 | MAT9090017 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG0042 | MAT9090077 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG0061 | MAT9090018 | 4 x 12 | 2 x 16 | .71 | (18.0) |
| IKG0081 | MAT9090030 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG0101 | MAT9090025 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG0121 | MAT9090019 | 4 x 6 | 2 x 16 | .93 | (23.5) |
| IKG0161 | MAT9090063 | 4 x 4 | 2 x 16 | 1.18 | (30.0) |
| IKG0331 | MAT9090014 | 4 x 18 | 1 x 20 | .43 | (11.0) |
| IKG4008 | MAT9090064 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4009 | MAT9090001 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4017 | MAT9090002 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4018 | MAT9090003 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4020 | MAT9090004 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4055 | MAT9090005 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4060 | MAT9090006 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4067 | MAT9090007 | 4 x 14 | 2 x 16 | .65 | (16.5) |
| IKG4070 | MAT9090008 | 4 x 14 | 2 x 16 | .65 | (16.5) |
| IKG4072 | MAT9090068 | 4 x 14 | 2 x 16 | .65 | (16.5) |
| IKG4087 | MAT9090009 | 4 x 12 | 2 x 16 | .72 | (18.5) |
| IKG4090 | MAT9090010 | 4 x 12 | 2 x 16 | .72 | (18.5) |
| IKG4100 | MAT9090020 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG4103 | MAT9090076 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4107 | MAT9090011 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4118 | MAT9090070 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4119 | MAT9090027 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG4147 | MAT9090038 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4150 | MAT9090012 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4155 | MAT9090028 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG4164 | MAT9090035 | 4 x 8 | 2 x 16 | .93 | (23.5) |
| IKG4167 | MAT9090013 | 4 x 8 | 2 x 16 | .94 | (24.0) |
| IKG4172 | MAT9090069 | 4 x 6 | 2 x 16 | 1.02 | (26.0) |
| IKG4173 | MAT9090072 | 4 x 4 | 2 x 16 | 1.18 | (30.0) |
| IKG4186 | MAT9090021 | 4 x 6 | 2 x 16 | 1.02 | (26.0) |
| IKG4200 | MAT9090032 | 4 x 6 | 2 x 16 | 1.02 | (26.0) |
| IKG4204 | MAT9090052 | 4 x 4 | 2 x 16 | 1.18 | (30.0) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Rexroth

- Color: orange (similar to RAL 2003)

Connecting Cable with adapter plugs



| Manufacturer Part No. | igus® Part No. | Power | | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | in. | (mm) |
| IKG0023 | MAT9091013 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG0089 | MAT9091005 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG0168 | MAT9091006 | 4 x 4 | 2 x 16 | 1.18 | (30.0) |
| IKG0332 | MAT9090015 | 4 x 18 | 2 x 20 | .43 | (11.0) |
| IKG4006 | MAT9091001 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4016 | MAT9091002 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4061 | MAT9091004 | 4 x 24 | 2 x 16 | .65 | (16.5) |
| IKG4074 | MAT9091014 | 4 x 24 | 2 x 16 | .65 | (16.5) |
| IKG4081 | MAT9091016 | 4 x 10 | 2 x 16 | .81 | (20.5) |
| IKG4141 | MAT9091003 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG4161 | MAT9091036 | 4 x 8 | 2 x 16 | .93 | (23.5) |

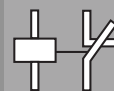


Basic Cable

| | | | | | |
|---------|------------|--------|--------|------|--------|
| IKG4300 | MAT9090071 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4301 | MAT9090037 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4302 | MAT9090026 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG4303 | MAT9090029 | 4 x 17 | 2 x 18 | .53 | (13.5) |
| IKG4306 | MAT9090040 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4307 | MAT9090041 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4308 | MAT9090033 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG4309 | MAT9090042 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG4310 | MAT9090043 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG4313 | MAT9090062 | 4 x 12 | 2 x 16 | .71 | (18.0) |
| IKG4314 | MAT9090060 | 4 x 12 | 2 x 16 | .74 | (18.8) |
| IKG4315 | MAT9090059 | 4 x 12 | 2 x 16 | .71 | (18.0) |
| IKG4317 | MAT9090061 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG4318 | MAT9090047 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG4320 | MAT9090039 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4321 | MAT9090075 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG4322 | MAT9090078 | 4 x 12 | 2 x 16 | .71 | (18.0) |
| IKG4323 | MAT9090073 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG4324 | MAT9090079 | 4 x 8 | 2 x 16 | .93 | (23.5) |
| IKG4325 | MAT9090049 | 4 x 16 | 2 x 18 | .57 | (14.5) |
| IKG4326 | MAT9090045 | 4 x 14 | 2 x 16 | .63 | (16.0) |
| IKG4327 | MAT9090050 | 4 x 12 | 2 x 16 | .71 | (18.0) |
| IKG4328 | MAT9090057 | 4 x 10 | 2 x 16 | .77 | (19.5) |
| IKG4329 | MAT9090051 | 4 x 8 | 2 x 16 | .93 | (23.5) |
| IKG4330 | MAT9090080 | 4 x 6 | 2 x 16 | 1.02 | (26.0) |
| IKG4331 | MAT9090081 | 4 x 4 | 2 x 16 | 1.18 | (30.0) |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



Harnessed according to Rexroth

CLASS
5.3.2

- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 300 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: gray (similar to RAL 7001)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| IKS0203 | MAT9110008 | 2 PR x 24 | .28 | (7.0) |
| | | 2 C x 20 | | |
| IKS0232 | MAT9110009 | 2 PR x 24 | .28 | (7.0) |
| | | 2 C x 20 | | |
| IKS0301 | MAT9110015 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS0315 | MAT9110020 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS0374 | MAT9110011 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS4001 | MAT9110026 | 4 PR x 26 | .35 | (9.0) |
| | | 4 C x 17 | | |
| | | (4 C x 17) SHLD | | |
| IKS4002 | MAT9110010 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| IKS4020 | MAT9110006 | 4 PR x 26 | .35 | (9.0) |
| | | 4 C x 17 | | |
| | | (4 C x 17) SHLD | | |
| IKS4038 | MAT9110027 | 4 PR x 26 | .35 | (9.0) |
| | | 4 C x 17 | | |
| | | (4 C x 17) SHLD | | |
| IKS4041 | MAT9110028 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| IKS4042 | MAT9110017 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 17 | | |
| IKS4066 | MAT9110025 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 17 | | |
| IKS4103 | MAT9110001 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 17 | | |
| IKS4142 | MAT9110007 | 4 PR x 26 | .35 | (9.0) |
| | | 4 C x 17 | | |
| | | (4 C x 17) SHLD | | |

Note: The mentioned external diameters are maximum values.



Harnessed according to Rexroth

- Color: gray (similar to RAL 7001)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| IKS4314 | MAT9110004 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 17 | | |
| IKS4374 | MAT9110002 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 17 | | |
| IKS4375 | MAT9110003 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 17 | | |
| IKS4384 | MAT9110005 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| IKS4389 | MAT9110033 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |

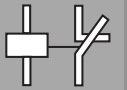
Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| RKG0014 | MAT9110030 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| RKG0020 | MAT9110034 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 20 | | |
| RKG0026 | MAT9110029 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| RKG0028 | MAT9110031 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| RKG4200 | MAT9110013 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 20 | | |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 300 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: gray (similar to RAL 7001)

Connecting Cable with adapter plugs



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| IKS0303 | MAT9110019 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS4065 | MAT9111001 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 20 | | |
| IKS4151 | MAT9111002 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 20 | | |
| IKS4153 | MAT9111003 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 20 | | |
| IKS4376 | MAT9111004 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 20 | | |
| IKS4322 | MAT9111005 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 20 | | |

Connecting Cable with adapter plugs



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| RKG4201 | MAT9111006 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 20 | | |

Note: The mentioned external diameters are maximum values.



Chainflex® TPE Position Feedback



Position
Feedback
TPE

Harnessed according to Rexroth

- Oil-resistant
- Shielded
- Nominal voltage: 30 V
- Temperature range (flexing): -31°F to +212°F (-35°C to +100°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: Green (similar to RAL 6018)

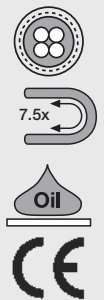
CLASS
6.4.4

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|---------------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| IKS0203 | MAT9100008 | 2 PR x 24 | .28 | (7.0) |
| | | 2 C x 20 | | |
| IKS0251 | MAT9100014 ⁽¹⁾ | 12 C x 20 | .45 | (11.5) |
| IKS0253 | MAT9100023 ⁽¹⁾ | 12 C x 20 | .45 | (11.5) |
| IKS0259 | MAT9100032 ⁽¹⁾ | 12 C x 20 | .45 | (11.5) |
| IKS0262 | MAT9100016 ⁽¹⁾ | 12 C x 20 | .45 | (11.5) |
| IKS0301 | MAT9100015 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS0315 | MAT9100020 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS0374 | MAT9100011 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS4001 | MAT9100026 | 4 PR x 26 | .35 | (9.0) |
| | | 4 C x 17 | | |
| | | (4 C x 26) SHLD | | |
| IKS4002 | MAT9100010 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| IKS4020 | MAT9100006 | 4 PR x 26 | .35 | (9.0) |
| | | 4 C x 17 | | |
| | | (4 C x 26) SHLD | | |
| IKS4038 | MAT9100027 | 4 PR x 26 | .35 | (9.0) |
| | | 4 C x 17 | | |
| | | (4 C x 26) SHLD | | |
| IKS4041 | MAT9100028 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| IKS4042 | MAT9100017 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 17 | | |
| IKS4066 | MAT9100025 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 17 | | |
| IKS4103 | MAT9100001 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS4142 | MAT9100007 | 4 PR x 26 | .35 | (9.0) |
| | | 4 C x 17 | | |
| | | (4 C x 26) SHLD | | |

Note: The mentioned external diameters are maximum values.



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number



10.267

Harnessed according to Rexroth

CLASS
6.4.4

- Oil-resistant
- Shielded
- Nominal voltage: 30 V
- Temperature range (flexing): -31°F to +212°F
- (-35°C to +100°C)
- Minimum bending radius for use in Energy Chains®:
10 x cable diameter
- Color: green (similar to RAL 6018)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| IKS4314 | MAT9100004 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS4374 | MAT9100002 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS4375 | MAT9100003 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS4384 | MAT9100005 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| IKS4389 | MAT9100033 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| RKG0014 | MAT9100030 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| RKG0020 | MAT9100034 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 20 | | |
| RKG0026 | MAT9100029 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| RKG0028 | MAT9100031 | 3 C x 24 | .35 | (9.0) |
| | | (3 PR x 24) SHLD | | |
| | | 2 C x 17 | | |
| RKG4200 | MAT9100013 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 20 | | |

Note: The mentioned external diameters are maximum values.



Clean-Room

Harnessed according to Rexroth

Connecting Cable with adapter plugs



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|---------------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| IKS0232 | MAT9100009 | 2 PR x 24 | .28 | (7.0) |
| | | 2 C x 20 | | |
| IKS0255 | MAT9100018 ⁽¹⁾ | 12 C x 20 | .45 | (11.5) |
| IKS0303 | MAT9100019 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 17 | | |
| IKS4065 | MAT9101001 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 20 | | |
| IKS4151 | MAT9101002 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 20 | | |
| IKS4153 | MAT9101003 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 20 | | |
| IKS4376 | MAT9101004 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 20 | | |
| IKS4322 | MAT9101005 | 4 PR x 24 | .35 | (9.0) |
| | | 2 C x 20 | | |

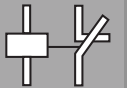
Connecting Cable with adapter plugs



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| RKG4201 | MAT9101006 | 4 PR x 24 | .37 | (9.5) |
| | | 2 C x 20 | | |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 1000 V
- Temperature range (flexing): +23°F to +158°F
- (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: green (similar to RAL 6005)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 6FX8002-5DA01 | MAT9160001 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DA11 | MAT9160002 | 4 x 14 | 1 x 17 | .53 | (13.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 6FX8002-5DA21 | MAT9160003 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DA31 | MAT9160004 | 4 x 14 | 1 x 17 | .53 | (13.5) |
| 6FX8002-5DA41 | MAT9160005 | 4 x 12 | 1 x 17 | .61 | (15.5) |
| 6FX8002-5DA51 | MAT9160006 | 4 x 10 | 1 x 17 | .71 | (18.0) |
| 6FX8002-5DA61 | MAT9160007 | 4 x 8 | 1 x 16 | .87 | (22.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 6FX8002-5DA23 | MAT9160008 | 4 x 6 | 1 x 17 | .96 | (24.5) |
| 6FX8002-5DA33 | MAT9160009 | 4 x 4 | 1 x 16 | 1.16 | (29.5) |
| 6FX8002-5DA43 | MAT9160010 | 4 x 2 | 1 x 16 | 1.30 | (33.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 6FX8002-5DS01 | MAT9160020 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DS21 | MAT9160021 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DS61 | MAT9160022 | 4 x 8 | 1 x 16 | .89 | (22.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Siemens

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power | Signal | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | in. | (mm) |
| 6FX8002-5DA05 | MAT9161001 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DA15 | MAT9161002 | 4 x 14 | 1 x 17 | .53 | (13.5) |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power | Signal | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | in. | (mm) |
| 6FX8002-5DA28 | MAT9161003 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DA38 | MAT9161004 | 4 x 14 | 1 x 17 | .53 | (13.5) |
| 6FX8002-5DA48 | MAT9161005 | 4 x 12 | 1 x 17 | .61 | (15.5) |
| 6FX8002-5DA58 | MAT9161006 | 4 x 10 | 1 x 17 | .71 | (18.0) |
| 6FX8002-5DA68 | MAT9161007 | 4 x 8 | 1 x 16 | .87 | (22.0) |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power | Signal | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | in. | (mm) |
| 6FX8002-5DX28 | MAT9161008 | 4 x 16 | 1 x 17 | .96 | (24.5) |
| 6FX8002-5DX38 | MAT9161009 | 4 x 16 | 1 x 17 | 1.16 | (29.5) |
| 6FX8002-5DX48 | MAT9161010 | 4 x 16 | 1 x 17 | 1.30 | (33.0) |

Note: The mentioned external diameters are maximum values.

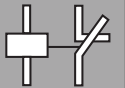
Chainflex® PVC cables



Typical application area – PVC

- for high mechanical load requirements
- light oil influence
- preferably indoor applications, but also outdoor ones at temperatures > 5 °C
- especially for unsupported and gliding travel distances up to 100 m
- storage and retrieval units for high-bay warehouses, machining units/packages machines, quick handling, indoor cranes, timber processing

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant and coolant resistant
- Shielded
- Flame-retardant
- Notch-resistant, hydrolysis-resistant and microbe resistant
- Nominal voltage: 1000 V
- Temperature range (flexing): -4°F to +176°F (-20°C to +80°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: orange (similar to RAL 2003)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 6FX8002-5DA01 | MAT9060001 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DA11 | MAT9060002 | 4 x 14 | 1 x 17 | .53 | (13.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 6FX8002-5DA21 | MAT9060003 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DA31 | MAT9060004 | 4 x 14 | 1 x 17 | .53 | (13.5) |
| 6FX8002-5DA41 | MAT9060005 | 4 x 12 | 1 x 17 | .61 | (15.5) |
| 6FX8002-5DA51 | MAT9060006 | 4 x 10 | 1 x 17 | .69 | (17.5) |
| 6FX8002-5DA61 | MAT9060007 | 4 x 8 | 1 x 16 | .81 | (20.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 6FX8002-5DA23 | MAT9060008 | 4 x 6 | 1 x 17 | .94 | (24.0) |
| 6FX8002-5DA33 | MAT9060009 | 4 x 4 | 1 x 16 | 1.12 | (28.5) |
| 6FX8002-5DA43 | MAT9060010 | 4 x 2 | 1 x 16 | 1.28 | (32.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Signal # of Pairs x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|-------------------------|----------|--------|
| | | | | in. | (mm) |
| 6FX8002-5DS01 | MAT9060020 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DS21 | MAT9060021 | 4 x 16 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DS61 | MAT9060022 | 4 x 8 | 1 x 16 | .81 | (20.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Siemens

- Color: orange (similar to RAL 2003)

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power | | Signal | | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | # of Pairs x AWG | # of Pairs x AWG | in. | (mm) |
| 6FX8002-5DA05 | MAT9061001 | 4 x 16 | 1 x 17 | 1 x 17 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DA15 | MAT9061002 | 4 x 14 | 1 x 17 | 1 x 17 | 1 x 17 | .53 | (13.5) |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power | | Signal | | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | # of Pairs x AWG | # of Pairs x AWG | in. | (mm) |
| 6FX8002-5DA28 | MAT9061003 | 4 x 16 | 1 x 17 | 1 x 17 | 1 x 17 | .49 | (12.5) |
| 6FX8002-5DA38 | MAT9061004 | 4 x 14 | 1 x 17 | 1 x 17 | 1 x 17 | .53 | (13.5) |
| 6FX8002-5DA48 | MAT9061005 | 4 x 12 | 1 x 17 | 1 x 17 | 1 x 17 | .61 | (15.5) |
| 6FX8002-5DA58 | MAT9061006 | 4 x 10 | 1 x 17 | 1 x 17 | 1 x 17 | .69 | (17.5) |
| 6FX8002-5DA68 | MAT9061007 | 4 x 8 | 1 x 16 | 1 x 16 | 1 x 16 | .81 | (20.5) |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power | | Signal | | Diameter | |
|--------------------------|-------------------|-----------------------|------------------|------------------|------------------|----------|--------|
| | | # of Conductors x AWG | # of Pairs x AWG | # of Pairs x AWG | # of Pairs x AWG | in. | (mm) |
| 6FX8002-5DX28 | MAT9061008 | 4 x 16 | 1 x 17 | 1 x 17 | 1 x 17 | .94 | (24.0) |
| 6FX8002-5DX38 | MAT9061009 | 4 x 16 | 1 x 17 | 1 x 17 | 1 x 17 | 1.12 | (28.5) |
| 6FX8002-5DX48 | MAT9061010 | 4 x 16 | 1 x 17 | 1 x 17 | 1 x 17 | 1.28 | (32.5) |

Note: The mentioned external diameters are maximum values.

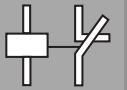
Chainflex® PUR cables



Typical application area – PUR

- for maximum mechanical load requirements
- almost unlimited resistance to oil
- Indoor and outdoor applications, UV-resistant
- especially for unsupported and gliding travel distances up to 100 m
- storage and retrieval units for high-bay warehouses, machining units/machine tools, quick handling, clean room, semiconductor insertion, outdoor cranes, low-temperature applications

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 1000 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: black (similar to RAL 9005)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CA01 | MAT9150001 | 4 C x 16 | .49 | (12.5) |
| 6FX8002-5CA11 | MAT9150002 | 4 C x 14 | .59 | (15.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CA21 | MAT9150003 | 4 C x 16 | .49 | (12.5) |
| 6FX8002-5CA31 | MAT9150004 | 4 C x 14 | .59 | (15.0) |
| 6FX8002-5CA41 | MAT9150005 | 4 C x 12 | .62 | (16.0) |
| 6FX8002-5CA51 | MAT9150006 | 4 C x 10 | .75 | (19.0) |
| 6FX8002-5CA61 | MAT9150007 | 4 C x 8 | .94 | (24.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CA23 | MAT9150008 | 4 C x 6 | 1.06 | (27.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CS01 | MAT9150020 | 4 C x 16 | .41 | (10.5) |
| 6FX8002-5CS21 | MAT9150021 | 4 C x 16 | .41 | (10.5) |
| 6FX8002-5CS61 | MAT9150022 | 4 C x 14 | .49 | (12.5) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Siemens

- Color: black (similar to RAL 9005)

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CA05 | MAT9151001 | 4 C x 16 | .49 | (12.5) |
| 6FX8002-5CA15 | MAT9151002 | 4 C x 14 | .59 | (15.0) |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CA28 | MAT9151003 | 4 C x 16 | .49 | (12.5) |
| 6FX8002-5CA38 | MAT9151004 | 4 C x 14 | .59 | (15.0) |
| 6FX8002-5CA48 | MAT9151005 | 4 C x 12 | .62 | (16.0) |
| 6FX8002-5CA58 | MAT9151006 | 4 C x 10 | .75 | (19.0) |
| 6FX8002-5CA68 | MAT9151007 | 4 C x 8 | .94 | (24.0) |

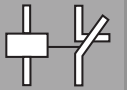
Extension Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CX28 | MAT9151008 | 4 C x 6 | 1.06 | (27.0) |

Note: The mentioned external diameters are maximum values.

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant
- Shielded
- Hydrolysis-resistant and microbe-resistant
- Flame-retardant
- Nominal voltage: 1000 V
- Temperature range (flexing): -31°F to +194°F (-35°C to +90°C)
- Minimum bending radius for use in Energy Chains®: 7.5 x cable diameter
- Color: black (similar to RAL 9005)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CA01 | MAT9050001 | 4 C x 16 | .39 | (10.0) |
| 6FX8002-5CA11 | MAT9050002 | 4 C x 14 | .45 | (11.5) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CA21 | MAT9050003 | 4 C x 16 | .39 | (10.0) |
| 6FX8002-5CA31 | MAT9050004 | 4 C x 14 | .45 | (11.5) |
| 6FX8002-5CA41 | MAT9050005 | 4 C x 12 | .51 | (13.0) |
| 6FX8002-5CA51 | MAT9050006 | 4 C x 10 | .59 | (15.0) |
| 6FX8002-5CA61 | MAT9050007 | 4 C x 8 | .79 | (20.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CA23 | MAT9050008 | 4 C x 6 | .87 | (22.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CS01 | MAT9150020 | 4 C x 16 | .37 | (9.5) |
| 6FX8002-5CS21 | MAT9150021 | 4 C x 16 | .37 | (9.5) |
| 6FX8002-5CS61 | MAT9150022 | 4 C x 14 | .43 | (11.0) |

Note: The mentioned external diameters are maximum values.



Harnessed according to Siemens

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CA05 | MAT9051001 | 4 C x 16 | .39 | (10.0) |
| 6FX8002-5CA15 | MAT9051002 | 4 C x 14 | .45 | (11.5) |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CA28 | MAT9051003 | 4 C x 16 | .39 | (10.0) |
| 6FX8002-5CA38 | MAT9051004 | 4 C x 14 | .45 | (11.5) |
| 6FX8002-5CA48 | MAT9051005 | 4 C x 12 | .51 | (13.0) |
| 6FX8002-5CA58 | MAT9051006 | 4 C x 10 | .59 | (15.0) |
| 6FX8002-5CA68 | MAT9051007 | 4 C x 8 | .79 | (20.0) |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-5CX28 | MAT9051008 | 4 C x 6 | .87 | (22.0) |

Note: The mentioned external diameters are maximum values.

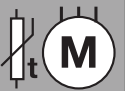
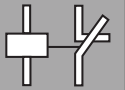
Chainflex® TPE cables



Typical application area – TPE

- for maximum mechanical load requirements
- almost unlimited resistance to oil, also with bio-oils
- indoor and outdoor applications, UV-resistant
- especially for unsupported and gliding travel distances up to 400 m and more
- storage and retrieval units for high-bay warehouses, machining units/ machine tools, quick handling, clean room, semiconductor insertion, ship to shore, outdoor cranes, low-temperature applications

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 300 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: gray (similar to RAL 7001)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2AD00 | MAT9170001 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CA11 | MAT9170002 | 4 PR x 22 | .35 | (9.0) |
| | | 4 C x 20 | | |
| 6FX8002-2CA15 | MAT9170003 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2CA31 | MAT9170004 | (3 PR x 26) SHLD | .37 | (9.5) |
| | | 2 C x 20 | | |
| | | 4 C x 26 | | |
| | | 4 C x 24 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2CA51 | MAT9170005 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CA71 | MAT9170006 | 4 PR x 22 | .35 | (9.0) |
| | | 4 C x 20 | | |
| 6FX8002-2CB51 | MAT9170008 | 4 PR x 22 | .35 | (9.0) |
| | | 4 C x 20 | | |
| 6FX8002-2CC11 | MAT9170009 | 4 PR x 22 | .35 | (9.0) |
| | | 4 C x 20 | | |
| 6FX8002-2CD01 | MAT9170010 | 4 PR x 22 | .35 | (9.0) |
| | | 4 C x 20 | | |



Harnessed according to Siemens

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2CF01 | MAT9170021 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CF02 | MAT9170011 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CG00 | MAT9170012 | 4 PR x 22 | .35 | (9.0) |
| | | 4 C x 20 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2CH00 | MAT9170013 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2CK00 | MAT9170014 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 2 C x 20 | | |
| 6FX8002-2CL00 | MAT9170015 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 2 C x 20 | | |

Basic Cable



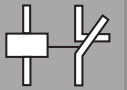
| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2EQ00 | MAT9170016 | (3 PR x 26) SHLD | .37 | (9.5) |
| | | 2 C x 20 | | |
| | | 4 C x 26 | | |
| | | 4 C x 24 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2EQ10 | MAT9170017 | (3 PR x 26) SHLD | .37 | (9.5) |
| | | 2 C x 20 | | |
| | | 4 C x 26 | | |
| | | 4 C x 24 | | |

Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>



Harnessed according to Siemens

CLASS
5.3.2

- Oil-resistant
- Shielded
- Flame-retardant
- Nominal voltage: 300 V
- Temperature range (flexing): +23°F to +158°F (-5°C to +70°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2AH00 | MAT9170018 | 4 PR x 22 | .35 | (9.0) |
| | | 4 C x 20 | | |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2AD04 | MAT9171001 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CB54 | MAT9171002 | 4 PR x 22 | .35 | (9.0) |
| | | 4 C x 20 | | |
| 6FX8002-2CA54 | MAT9171003 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CA34 | MAT9171004 | (3 PR x 26) SHLD | .37 | (9.5) |
| | | 2 C x 20 | | |
| | | 4 C x 26 | | |
| 6FX8002-2CC14 | MAT9171009 | 4 PR x 22 | .35 | (9.0) |
| | | 4 C x 20 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CF04 | MAT9171011 | (3 PR x 26) SHLD | .35 | (9.0) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2EQ14 | MAT9171017 | (3 PR x 26) SHLD | .37 | (9.5) |
| | | 2 C x 20 | | |
| | | 4 C x 26 | | |
| 6FX8002-2AH04 | MAT9171018 | 4 PR x 22 | .35 | (9.0) |
| | | 4 C x 24 | | |
| | | 4 C x 20 | | |



Chainflex® PUR Position Feedback



Position
Feedback
PUR

Harnessed according to Siemens

- Oil-resistant and coolant-resistant
- Shielded
- Notch-resistant, hydrolysis-resistant and microbe-resistant
- Nominal voltage: 30 V
- Temperature range (flexing): -4°F to +176°F (-20°C to +80°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: Green (similar to RAL 6018)

CLASS
6.3.3

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2DC10 | MAT9070030 | 2 PR x 26 | .30 | (7.5) |
| | | 2 C x 22 | | |
| 6FX8002-2DC20 | MAT9070031 | 2 PR x 26 | .30 | (7.5) |
| | | 2 C x 22 | | |
| 6FX8002-1DC00 | MAT9070032 | 2 PR x 26 | .30 | (7.5) |
| | | 2 C x 22 | | |



Clean-
Room

No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

10.281

- Oil-resistant
- Shielded
- Nominal voltage: 30 V
- Temperature range (flexing): -31°F to +212°F (-35°C to +100°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: Green (similar to RAL 6018)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-2AD00 | MAT9070001 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CA11 | MAT9070002 | 4 PR x 22 | .37 | (9.5) |
| | | 4 C x 20 | | |
| 6FX8002-2CA15 | MAT9070003 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-2CA31 | MAT9070004 | (3 PR x 26) SHLD | .45 | (11.5) |
| | | 2 C x 20 | | |
| | | 4 C x 26 | | |
| | | 4 C x 24 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-2CA51 | MAT9070005 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CA71 | MAT9070006 | 4 PR x 22 | .37 | (9.5) |
| | | 4 C x 20 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2CB31 | MAT9070007 | 12 C X 24 | .35 | (9.0) |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|-----------------------|----------------|-----------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2CB51 | MAT9070008 | 4 PR x 22 | .37 | (9.5) |
| | | 4 C x 20 | | |
| 6FX8002-2CC11 | MAT9070009 | 4 PR x 22 | .37 | (9.5) |
| | | 4 C x 20 | | |
| 6FX8002-2CD01 | MAT9070010 | 4 PR x 22 | .37 | (9.5) |
| | | 4 C x 20 | | |



Harnessed according to Siemens

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-2CF01 | MAT9070021 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CF02 | MAT9070011 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CG00 | MAT9070012 | 4 PR x 22 | .37 | (9.5) |
| | | 4 C x 20 | | |
| 6FX8002-2CH00 | MAT9070013 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-2CK00 | MAT9070014 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 2 C x 20 | | |

Basic Cable

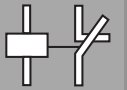


| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-2CL00 | MAT9070015 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 2 C x 20 | | |

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-2EQ00 | MAT9070016 | (3 PR x 26) SHLD | .45 | (11.5) |
| | | 2 C x 20 | | |
| | | 4 C x 26 | | |
| | | 4 C x 24 | | |
| 6FX8002-2EQ10 | MAT9070017 | (3 PR x 26) SHLD | .45 | (11.5) |
| | | 2 C x 20 | | |
| | | 4 C x 24 | | |

 Internet: <http://www.igus.com>
 email: sales@igus.com
 QuickSpec/RFQ: <http://www.igus.com/quickspec>


- Oil-resistant
- Shielded
- Nominal voltage: 30 V
- Temperature range (flexing): -31°F to +212°F (-35°C to +100°C)
- Minimum bending radius for use in Energy Chains®: 10 x cable diameter
- Color: Green (similar to RAL 6018)

Basic Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2AH00 | MAT9070018 | 4 PR x 22 | .37 | (9.5) |
| | | 4 C x 20 | | |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-2AD04 | MAT9071001 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CB54 | MAT9071002 | 4 PR x 22 | .37 | (9.5) |
| | | 4 C x 20 | | |
| 6FX8002-2CA54 | MAT9071003 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2CA34 | MAT9071004 | (3 PR x 26) SHLD | .45 | (11.5) |
| | | 2 C x 20 | | |
| | | 4 C x 26 | | |
| | | 4 C x 24 | | |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|-------|
| | | | in. | (mm) |
| 6FX8002-2CB34 | MAT9071007 | 12 C X 24 | .35 | (9.0) |

Extension Cable



| Manufacturer Part No. | igus® Part No. | Power # of Conductors x AWG | Diameter | |
|--------------------------|-------------------|--------------------------------|----------|--------|
| | | | in. | (mm) |
| 6FX8002-2CC14 | MAT9071009 | 4 PR x 22 | .37 | (9.5) |
| | | 4 C x 20 | | |
| 6FX8002-2CF04 | MAT9071011 | (3 PR x 26) SHLD | .41 | (10.5) |
| | | 4 C x 26 | | |
| | | 2 C x 20 | | |
| 6FX8002-2EQ14 | MAT9071017 | (3 PR x 26) SHLD | .45 | (11.5) |
| | | 2 C x 20 | | |
| | | 4 C x 26 | | |
| | | 4 C x 24 | | |
| 6FX8002-2AH04 | MAT9071018 | 4 PR x 22 | .37 | (9.5) |
| | | 4 C x 20 | | |





igus® Energy Chain
System®

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