

* Technical information on the cable quality (Code **01-31**): ► Page 568-571

| Cable quality | Part No. | Number of cores and conductor nominal cross section [mm ²] | Ø [mm] | R min. [x d] |
|---------------|----------|---|-----------|-----------------|
|---------------|----------|---|-----------|-----------------|

LTI DRIVES Servo cables

Basic cable



KM3-KSxxx

| | | | | | |
|----------|----|------------|----------------------|------|-----|
| PVC O.I. | 04 | MAT9020004 | (4G1.5+2x(2x0.75)C)C | 13.5 | 10 |
| PVC M.I. | 05 | MAT9020003 | (4G1.5+2x(2x0.75)C)C | 14.5 | 7.5 |
| PUR O.I. | 06 | MAT9020002 | (4G1.5+2x(2x0.75)C)C | 13.5 | 10 |
| PUR M.I. | 07 | MAT9020001 | (4G1.5+2x(2x0.75)C)C | 14.5 | 7.5 |

KM3-KSxxx-24A

| | | | | | |
|----------|----|------------|---------------------|------|-----|
| PVC O.I. | 04 | MAT9020014 | (4G2.5+2x(2x1.5)C)C | 16.0 | 10 |
| PVC M.I. | 05 | MAT9020013 | (4G2.5+2x(2x1.5)C)C | 17.0 | 7.5 |
| PUR O.I. | 06 | MAT9020012 | (4G2.5+2x(2x1.5)C)C | 16.0 | 10 |
| PUR M.I. | 07 | MAT9020011 | (4G2.5+2x(2x1.5)C)C | 16.0 | 7.5 |

Basic cable



KM3-KSxxx-63A

| | | | | | |
|----------|----|------------|--------------------|------|-----|
| PVC M.I. | 05 | MAT9020023 | (4G10+2x(2x1.5)C)C | 23.0 | 7.5 |
| PUR O.I. | 06 | MAT9020022 | (4G10+2x(2x1.5)C)C | 22.5 | 10 |
| PUR M.I. | 07 | MAT9020021 | (4G10+2x(2x1.5)C)C | 22.5 | 7.5 |

Extension cable



KM3-KSxxx (ext.)

| | | | | | |
|----------|----|------------|----------------------|------|-----|
| PVC O.I. | 04 | MAT9022004 | (4G1.5+2x(2x0.75)C)C | 13.5 | 10 |
| PUR O.I. | 06 | MAT9022002 | (4G1.5+2x(2x0.75)C)C | 13.5 | 10 |
| PUR M.I. | 07 | MAT9022001 | (4G1.5+2x(2x0.75)C)C | 14.5 | 7.5 |

KM3-KSxxx (ext.)

| | | | | | |
|----------|----|------------|----------------------|------|-----|
| PVC M.I. | 05 | MAT9022003 | (4G1.5+2x(2x0.75)C)C | 14.5 | 7.5 |
|----------|----|------------|----------------------|------|-----|

KM3-KSxxx-24A (ext.)

| | | | | | |
|----------|----|------------|---------------------|------|-----|
| PVC O.I. | 04 | MAT9022014 | (4G2.5+2x(2x1.5)C)C | 16.0 | 10 |
| PVC M.I. | 05 | MAT9022013 | (4G2.5+2x(2x1.5)C)C | 17.0 | 7.5 |
| PUR O.I. | 06 | MAT9022012 | (4G2.5+2x(2x1.5)C)C | 16.0 | 10 |
| PUR M.I. | 07 | MAT9022011 | (4G2.5+2x(2x1.5)C)C | 16.0 | 7.5 |

Extension cable



KM3-KSxxx-63A (ext.)

| | | | | | |
|----------|----|------------|--------------------|------|-----|
| PVC M.I. | 05 | MAT9022023 | (4G10+2x(2x1.5)C)C | 23.0 | 7.5 |
| PUR M.I. | 07 | MAT9022021 | (4G10+2x(2x1.5)C)C | 22.5 | 7.5 |

KM3-KSxxx-63A (ext.)

| | | | | | |
|----------|----|------------|--------------------|------|----|
| PUR O.I. | 06 | MAT9022022 | (4G10+2x(2x1.5)C)C | 22.5 | 10 |
|----------|----|------------|--------------------|------|----|

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. Example image.
igus® gladly pre-harnesses the cable according to your technical guidelines. **G** = with green-yellow earth core, **x** = without earth core
* Cable qualities: **M.I.** = with inner jacket, **O.I.** = without inner jacket, **F** = flame-retardant, **H** = halogen-free **OIL** = oil-resistant igus® GmbH defines cable length as entire length including connectors or open harnessing. ► Page 915

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| Cable quality | Part No. | Number of cores and conductor nominal cross section [mm ²] | Ø [mm] | R min. [x d] |
|---------------|----------|---|-----------|-----------------|
|---------------|----------|---|-----------|-----------------|

LTI DRIVES Encoder cables

Basic cable



KGH2-KSxxx

| | | | | | |
|--------|----|------------|---------------------|-----|-----|
| PVC | 08 | MAT9021004 | (4x(2x0.25)+2x1.0)C | 8.5 | 10 |
| TPE H* | 11 | MAT9021001 | (4x(2x0.25)+2x1.0)C | 9.0 | 6.8 |

KGH3-KSxxx

| | | | | | |
|--------|----|------------|---------------------|-----|-----|
| PVC | 08 | MAT9021014 | (4x(2x0.25)+2x1.0)C | 8.5 | 10 |
| TPE H* | 11 | MAT9021011 | (4x(2x0.25)+2x1.0)C | 9.0 | 6.8 |

KGS2-KSxxx

| | | | | | |
|----------|----|------------|-------------------------------------|------|-----|
| PUR O.I. | 09 | MAT9021023 | (2x(2x(2x0.14))+(4x0.14)C+(4x0.5))C | 10.5 | 10 |
| PUR M.I. | 10 | MAT9021022 | (2x(2x(2x0.14))+(4x0.14)C+(4x0.5))C | 11.0 | 7.5 |
| TPE H* | 11 | MAT9021021 | (2x(2x(2x0.14))+(4x0.14)C+(4x0.5))C | 11.0 | 6.8 |

KRY2-CDF-KSxxx

| | | | | | |
|----------|----|------------|---------------------|-----|-----|
| PVC | 08 | MAT9021034 | (4x(2x0.25)+2x0.5)C | 8.0 | 10 |
| PUR M.I. | 10 | MAT9021032 | (4x(2x0.25)+2x0.5)C | 8.5 | 7.5 |
| TPE H* | 11 | MAT9021031 | (4x(2x0.25)+2x0.5)C | 8.5 | 6.8 |

KRY2-KSxxx

| | | | | | |
|----------|----|------------|---------------------|-----|-----|
| PVC | 08 | MAT9021044 | (4x(2x0.25)+2x0.5)C | 8.0 | 10 |
| PUR M.I. | 10 | MAT9021042 | (4x(2x0.25)+2x0.5)C | 8.5 | 7.5 |
| TPE H* | 11 | MAT9021041 | (4x(2x0.25)+2x0.5)C | 8.5 | 6.8 |

Extension cable



KGH2-KSxxx (ext.)

| | | | | | |
|--------|----|------------|---------------------|-----|-----|
| PVC | 08 | MAT9023004 | (4x(2x0.25)+2x1.0)C | 8.5 | 10 |
| TPE H* | 11 | MAT9023001 | (4x(2x0.25)+2x1.0)C | 9.0 | 6.8 |

KGH3-KSxxx (ext.)

| | | | | | |
|--------|----|------------|---------------------|-----|-----|
| PVC | 08 | MAT9023014 | (4x(2x0.25)+2x1.0)C | 8.5 | 10 |
| TPE H* | 11 | MAT9023011 | (4x(2x0.25)+2x1.0)C | 9.0 | 6.8 |

KGS2-KSxxx (ext.)

| | | | | | |
|----------|----|------------|-------------------------------------|------|-----|
| PUR O.I. | 09 | MAT9023023 | (2x(2x(2x0.14))+(4x0.14)C+(4x0.5))C | 10.5 | 10 |
| PUR M.I. | 10 | MAT9023022 | (2x(2x(2x0.14))+(4x0.14)C+(4x0.5))C | 11.0 | 7.5 |
| TPE H* | 11 | MAT9023021 | (2x(2x(2x0.14))+(4x0.14)C+(4x0.5))C | 11.0 | 6.8 |

KRY2-CDF-KSxxx (ext.)

| | | | | | |
|----------|----|------------|---------------------|-----|-----|
| PVC | 08 | MAT9023034 | (4x(2x0.25)+2x0.5)C | 8.0 | 10 |
| PUR M.I. | 10 | MAT9023032 | (4x(2x0.25)+2x0.5)C | 8.5 | 7.5 |
| TPE H* | 11 | MAT9023031 | (4x(2x0.25)+2x0.5)C | 8.5 | 6.8 |

KRY2-KSxxx (ext.)

| | | | | | |
|----------|----|------------|---------------------|-----|-----|
| PVC | 08 | MAT9023044 | (4x(2x0.25)+2x0.5)C | 8.0 | 10 |
| PUR M.I. | 10 | MAT9023042 | (4x(2x0.25)+2x0.5)C | 8.5 | 7.5 |
| TPE H* | 11 | MAT9023041 | (4x(2x0.25)+2x0.5)C | 8.5 | 6.8 |

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