

readycable® encoder cable suitable for Omron

JZSP-CHP800-xx-ME, basic cable PVC 15xd

MAT9442108



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- For flexing applications
- PVC outer jacket
- Not oil-resistant
- Silicone-free
- Flame retardant
- Overall shield
- Guarantee up to 4 years

Product description

Introducing the readycable® encoder cable, designed specifically for the Omron JZSP-CHP800-xx-ME. This high-quality cable features a durable PVC outer jacket, making it ideal for flexing applications in indoor settings. With flame retardant properties and an overall shield, it ensures reliable performance in wood and stone processing, packaging, and handling tasks. Enjoy peace of mind with its silicone-free design, perfect for unsupported travels up to 10m. Upgrade your operations with this essential cable solution.

Manufacturer attributes

|                      |                   |
|----------------------|-------------------|
| Manufacturer Part No | JZSP-CHP800-xx-ME |
| Cable type           | Basic cable       |

Connectors

|             |                    |
|-------------|--------------------|
| Connector A | round plug, socket |
| Connector B | SUB-D, pin         |

General properties

|                                                     |                     |
|-----------------------------------------------------|---------------------|
| Number of cores and conductor nominal cross-section | (4x(2x0.25)+2x0.5)C |
| Outer diameter (d) max. mm                          | 8 mm                |
| Weight per km                                       | 91 kg/km            |
| Copper index kg/km                                  | 44 kg/km            |

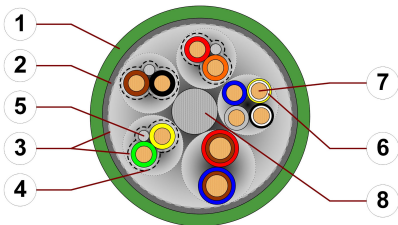


Electricity attributes

|                                                                                  |                   |      |
|----------------------------------------------------------------------------------|-------------------|------|
|  | Nominal voltage   | 50V  |
|                                                                                  | UL Voltage Rating | 30 V |
|  | Test voltage      | 500V |

Cable structure

|                                                                                    |                             |                                                                                                          |
|------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------|
|    | Conductor                   | Conductor consisting of bare copper wires (according to DIN EN 60228)                                    |
|    | Core insulation             | Mechanically high-quality TPE mixture.                                                                   |
|    | Core stranding              | According to measuring system specification                                                              |
|    | Conductor colours           | according to measuring system specification                                                              |
|                                                                                    | Core group 1 core structure | 4x(2x0.25)                                                                                               |
|                                                                                    | Core group 1 colour code    | brown/green, blue/violet, grey/pink, red/black                                                           |
|                                                                                    | Core group 2 core structure | 2x0.5                                                                                                    |
|  | Element shield              | Foil taping of optimised, flexible foil shield. Cover approx. 100% optical                               |
|  | Overall shield              | Braiding made of tinned copper wires. Cover approx. 60% optical.                                         |
|  | Outer jacket                | Low-adhesion PVC mixture, adapted to suit the requirements in e-chains® (according to DIN EN 50363-4-1). |
|  | Outer jacket colour         | Yellow-green (comparable to RAL 6018)                                                                    |



1. Outer jacket: pressure-extruded PVC mixture
2. Overall shield: braiding made of tinned copper wires
3. Shield film: aluminium-coated plastic foil
4. Banding: plastic foil
5. Drain wire: stranded wire conductor made of tinned copper wires
6. Core insulation: mechanically high-quality TPE mixture
7. Conductor: strands consisting of bare copper wires
8. Strain relief: plastic core element



## Properties and approvals

|                                                                                    |                        |                                                                                                                                          |
|------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>UV resistance</b>   | none                                                                                                                                     |
|    | <b>Oil resistance</b>  | No oil resistance                                                                                                                        |
|    | <b>Flame-retardant</b> | According to IEC 60332-1-2, Cable Flame, VW-1, FT1, FT2/Horizontal Flame                                                                 |
|    | <b>Silicone-free</b>   | Free from silicone which can affect paint adhesion (according to PV 3.10.7 – status 1992)                                                |
|    | <b>UL verified</b>     | Certificate no. V293650: "The igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year" |
|    | <b>UL/CSA AWM</b>      | Style 1589 and 2560, 30 V, 60 °C                                                                                                         |
|    | <b>NFPA</b>            | According to NFPA 79-2018, chapter 12.9                                                                                                  |
|   | <b>REACH</b>           | In accordance with Regulation (EC) No. 1907/2006 (REACH)                                                                                 |
|  | <b>Lead-free</b>       | According to 2011/65/EU (RoHS-II/RoHS-III)                                                                                               |
|  | <b>CE</b>              | According to 2014/35/EU                                                                                                                  |



## Dynamic properties

|                                                                                    |                                     |                                               |
|------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|
|    | Min. bend radius, e-chain (factor)  | 15 x d                                        |
|    | Min. bend radius, e-chain           | 120 mm                                        |
|    | Min. bend radius, flexible (factor) | 12 x d                                        |
|    | Min. bend radius, fixed (factor)    | 8 x d                                         |
|    | Temperature e-chain®                | +5°C up to +70°C                              |
|    | Temperature, flexible               | -5°C to +70°C (according to DIN EN 60811-504) |
|    | Temperature, fixed                  | -15°C to +70°C (according to DIN EN 50305)    |
|    | v max. unsupported (speed)          | 3 m/s                                         |
|   | v max. gliding (speed)              | 0 m/s                                         |
|  | a max. (acceleration)               | 20 m/s <sup>2</sup>                           |
|  | travel length                       | Class 1                                       |
|  | torsion                             | No torsion                                    |



chainflex®Lifetime

Guaranteed service life for this series according to guarantee conditions  
Further information: [chainflex® guarantee](#)

| Double strokes* | 1 million    | 3 million    | 5 million    |
|-----------------|--------------|--------------|--------------|
| Temperature,    | R min.       | R min.       | R min.       |
| from/to [°C]    | [Factor x d] | [Factor x d] | [Factor x d] |
| +5 / +15        | 17.5         | 18.5         | 19.5         |
| +15 / +60       | 15           | 16           | 17           |
| +60 / +70       | 17.5         | 18.5         | 19.5         |

\* Higher number of double strokes possible - use the service life calculation function on this page.

Certificates and standards

