# ENCODER & RESOLVER CABLE

These cables specifically designed for application on machine tools.
With small diameters, more flexible constructive formations, special materials of the insulation and outer sheaths, these cables are optimized to operate in cable chains and automation systems which require special service. The entire range complies to the low power cables, control and hybrids (in the case of multi-core cables).
- DFT® (Dee-Cable Technology) exclusive for digital systems! 20G, 25M, 2.5
- Cables for servo drives.
- Feedback, encoder, resolver, speed sensor, signal system cables, photocell.
- Flexible systems cables.
- Cables for machine tools and hand-operating pointillers.
- For fixed, flexible and highly flexible use in power and drag chains.
- Fully compatible with the most common systems as for example: Siemens, Bosch Rexroth Indramat, SEW, Lenze, Schneider Electric, Bolh, Omron, Parker, Rockwell, Yaskawa, Control Techniques, Beckhoff/Jetter, SICK, Elau.

## OUR ADVANTAGES

**EASY SOLUTIONS**
WE OFFER YOU THE RIGHT CABLE FOR EVERY APPLICATION WITH OUR EXTENSIVE PRODUCT RANGE

**NO PRICE FIGHTS**
WE DON'T COMPETE ON PRICE ALONE. WE ARE PROUD OF OUR HIGH QUALITY STANDARDS

**HIGH LEVEL EXPERIENCE**
WE HAVE BEEN MANUFACTURING CABLES FOR MORE THAN 50 YEARS AND KNOW EXACTLY WHAT YOU NEED

**ENDLESS INTEGRATION**
WE OFFER YOU A TAILOR-MADE SOLUTION FOR YOUR SPECIFIC APPLICATION

**NO PUTTING TELLER**
WE DON'T PUT ANY LIMITS ON YOUR CREATIVITY. WE ARE HAPPY TO DEVELOP YOUR SPECIAL CABLE

**TEAM WALKING**
OUR TEAMS WORK WITH YOU TO FIND THE BEST SOLUTION FOR YOUR APPLICATION

# ENCODER & RESOLVER CABLE

**ENCODER & RESOLVER CABLE**
In a series of cables developed for all control units in state-of-the-art servo drives with resolvers and encoders. Cables for encoder systems, resolver systems, motor power supply and brake control. Ideal for use in drag chains, created for the application range of highly flexible combinations and high performance energy supply systems. Also available as hybrid cables.

## PRODUCT MIX

**ENCODER SERVO®**
Art.-Nr.: 7xxxxxx

**ENCODER HIBRID®**
Art.-Nr.: 7xxxxxx

**ENCODER CABLE®**
Art.-Nr.: 7xxxxxx

**ENCODER DIRECT®**
Art.-Nr.: 7xxxxxx

**ENCODER HEIDENHAIN®**
Art.-Nr.: 7xxxxxx

**ENCODER OMRON®**
Art.-Nr.: 7xxxxxx

**ENCODER TECHNO-LINE®**
Art.-Nr.: 7xxxxxx

**ENCODER ROCKWELL®**
Art.-Nr.: 7xxxxxx

**ENCODER YASKAWA®**
Art.-Nr.: 7xxxxxx

**ENCODER SIMO®**
Art.-Nr.: 7xxxxxx

**ENCODER SCHNEIDER ELAU®**
Art.-Nr.: 7xxxxxx

**RESOLVER**

## APPLICATIVE FEATURES

5.000.000 CYCLES
6,5 m/s
300 m/min
20 m/s²
REINFORCED STRAND ANTI-TORSION

## PVC

TECHNICAL DATA

| | |
|---|---|
| OPERATING VOLTAGE | 300/500V |
| TEST VOLTAGE | 2000V |
| CONDUCTOR RESISTANCE | acc. to VDE 0295 Class 5 and 6 |
| BENDING RADIUS | 10 x outer diameter |
| BENDING CYCLES | > 5 Mio. |
| BENDING SPEED | 3 m/s |
| BENDING ACCELERATION | 10 m/s² |
| TEMPERATURE RANGE | -5°C/+70°C |
| FLAME RETARDANT | acc. to IEC 60332-1 |

CONSTRUCTION FEATURES

| | |
|---|---|
| Conductor | Extra Flexible Bare Copper |
| Insulation | Special Polypropylene |
| Shield | Tinned Copper Braid Ø 0,1 - 0,3 mm |
| Separator | Grey Polyolefine Foil |
| Outer Sheath | PVC |
| Colour | RAL 7001 |

## APPLICATIVE FEATURES

10.000.000 CYCLES
6,5 m/s
500 m/min
60 m/s²
HARMONIZED FOR HIGH PERFORMANCE

## PUR

TECHNICAL DATA

| | |
|---|---|
| OPERATING VOLTAGE | 300/500V |
| TEST VOLTAGE | 2000V |
| CONDUCTOR RESISTANCE | acc. to VDE 0295 Class 5 and 6 |
| BENDING RADIUS | 10 x outer diameter |
| BENDING CYCLES | > 10 Mio. |
| BENDING SPEED | 5 m/s |
| BENDING ACCELERATION | 10 m/s² |
| TEMPERATURE RANGE | -30°C/+80°C |
| FLAME RETARDANT | acc. to IEC 60332-1 |

CONSTRUCTION FEATURES

| | |
|---|---|
| Conductor | Extra Flexible Tinned Copper |
| Insulation | Special Polypropylene |
| Shield | Tinned Copper Braid Ø 0,1 - 0,3 mm |
| Separator | Grey Polyolefine Foil |
| Outer Sheath | PUR |
| Colour | RAL 7001 |

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