

Combined PVC -control and supply cable for motors of variable frequency drives, shielded

Product Description

One common cable for multiple circuits; Total screening prevents/reduces interference from neighbouring cables



Application range

- Connecting cable between Frequency converter and motor
- Connecting cable between servo controller and motor

Benefits

- One common cable for multiple circuits
- Total screening prevents/reduces interference from neighbouring cables

Design

- Fine strands of bare copper wires
- Core insulation: PVC
- Control pairs 0.34 mm² colour coded, from 0.5 mm² black with consecutive imprinted numbering.
- Control pair screened with laminated aluminium foil and tinned copper wire braid
- The model with one control pair is without laminated aluminium foil (FDF).
- tinned copper braid
- PVC outer sheath, grey (RAL 7001)

Product features

- Stationary application
- Occasional flexing
- In dry, wet and damp interiors
- Outdoor use only with UV protection and in accordance with the temperature range.
- Flame retardant (IEC 60332-1-2)



Technical Data

Core identification code

Black with white numbers acc. to VDE 0293
5-core: coloured according to VDE 0293 0.34 mm²
pairs: WH/BN
GN/YE

Based on

Core: VDE 0812/0250/0281
Sheath in accordance with VDE 0281/0250

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC
60228 Class 5

Minimum bending radius

Occasional flexing: 20 x cable diameter
Fixed installed: 6 x outer diameter

Rated voltage

Supply cores: 600/1000 V
Control core pairs: 250 V/AC

Test voltage

Core: C/C-C/S: 4000 V Control cores: C/C: 1500V, C/S:
750 V

Protective conductor

G = with protective conductor GN/YE
X = without protective conductor

Range of temperature

Flexing: -5°C up to +80°C
Fixed installation: -40°C up to +80°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
0036156	4 G 0,75+2 x (2 x 0,34)	10,5	111.1	165
0036157	4 G 1,5+2 x (2 x 0,75)	12,7	147.5	245
0036158	4 G 2,5+(2 x 2 x 0,75)	14,9	226.1	385
0036159	4 G 4 + (2 x 0,75 + 2 x 1,0)	16,6	303.6	482
0036161	4 G 6 + (2 x 0,75 + 2 x 1,0)	17,7	379.4	609
0036162	4 G 10 + (2 x 0,75 + 2 x 1,0)	21,6	591.7	828
0036163	4 G 16 + (2 x 2 x 1,0)	24,5	861.3	1150
0036164	4 G 25 + (2 x 2 x 1,5)	30,1	1261.8	1671

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths



Packaging size: Coil \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.