Multible listed flexible VFD Cable with a Pair for Brake or Temperature Sensor

Product Description

One common cable for multiple circuits;Multi-Standard= less part varieties= cost savings;Cost saving, easy installation due to renouncement of closed raceways (suitable for open wiring);Lapp Surge Guard insulation protects agains cable failure due to presence of typical very high over voltage peaks during VFD'S operations

Application range

- Connecting cable between Frequency converter and motor
- Connecting cable between servo controler and motor
- Plant engineering
- machine tools
- Printing machines

Benefits

- One common cable for multiple circuits
- Multi-Standard= less part varieties= cost savings
- Cost saving, easy installation due to renouncement of closed raceways (suitable for open wiring)
- Lapp Surge Guard insulation protects agains cable failure due to presence of typical very high over voltage peaks during VFD'S operations

Design

- Fine strands of bare copper wires
- Core insulation: made of special "Lapp Surge Guard" material
- Control pair screened with laminated aluminium foil and tinned drain wire
- Barrier tape
- Aluminum-plated foil
- tinned copper braid with drain wire
- Special blended PVC outer sheath, black (RAL 9005)

Approvals (Norm references)

- TC-ER (Tray Cable Exposed Run) approval for open wiring between cable tray and industrial machines/plants acc. to NEC 336.10(7)

- Class 1, Div. 2 per NEC "National Electrical Code" Art. 336, 392, 501

Product features

- Oil resistant according to UL OIL RES I & II
- Flame retardant according to CSA FT4 UL Vertical-Tray Flame Test
- Water resistant UL Wet Approval 75 °C
- Stationary application
- Occasional flexing

Technical Data

Core identification code
Black with white numbers
Approvals
USA: UL MTW, TC-ER, WTTC 1000V, DP-1, AWM 105°C
Canada: c(UL) CIC/TC FT4, CSA AWM I/II A/M FT4
Based on
VDE 0245, 250, 281
Specific insulation resistance
> 20 GOhm x cm
Conductor stranding
Fine wire
Minimum bending radius
Occasional flexing: 10 x cable diameter
Static: 4 x cable diameter
Rated voltage
UL/CSA: 600 V (TC, MTW, CIC), WTTC 1000V
IEC U0/U: 600/1000V
Test voltage
7500 V
Protective conductor
G = with protective conductor GN/YE
Range of temperature
Flexing: -5°C up to +90°C(AWM: +105°) Fixed installation: -25°C up to +90°C(AWM: +105°)

Article List

Part number	Number of cores and AWG per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
7416048	4 G 16 + (2 x 18)	13,1	125.0	262
7414048	4 G 14 + (2 x 18)	14,1	160.0	372
7414044	4 G 14 + (2 x 14)	14,8	186.0	402
7412048	4 G 12 + (2 x 18)	15,5	210.0	438
7412044	4 G 12 + (2 x 14)	16,1	239.0	467
7410044	4 G 10 + (2 x 14)	18,4	347.0	705
7408044	4 G 8 + (2 x 14)	24,2	494.0	903

7406044	4 G 6 + (2 x 14)	27,5	677.0	1262
7404044	4 G 4 + (2 x 14)	33,6	1016.0	1862

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 ≤ 30 kg and ≤ 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.