

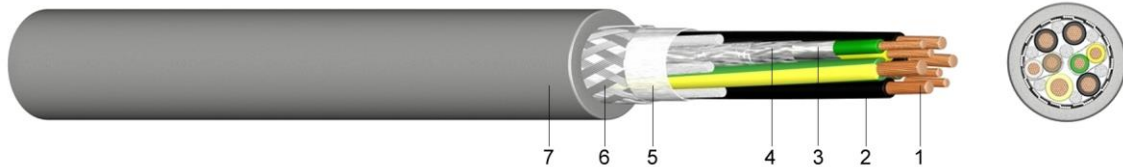


SL 806 C

Combined Composite Connection Cable with Copper Screening and PVC Outer Sheath

Application:

This cable is well suited for flexible use in machine and plant engineering. It is used for medium level mechanical stress in dry, damp and wet locations. It serves as a connection cable for the power supply and as a signal and data cable for the steering and control of motors.



Construction:

- 1 very fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 pair wise screened with aluminium foil
- 4 paarweise screened with tinned copper drain wire
- 5 wrapping of fine cotton binding
- 6 screen of tinned copper braiding
- 7 outer sheath of polyvinylchloride (PVC)

Standards:

in according with DIN VDE DIN VDE 0285-525-1
DIN EN 60228 class 6 (construction)

Technical data:

| | | | |
|-----------------------------------|---------------|-------------------|-----------------|
| Nominal voltage U ₀ /U | Powerwire | [V] | 600 / 1000 Volt |
| | Controllwire | [V] | 300 / 500 Volt |
| Test voltage | Powerwire | [V] _{AC} | 4000 |
| | Controllwire | [V] _{AC} | 2000 |
| Temperature range | in motion | | +5°C till +70°C |
| Operating temperature | short circuit | °C | 150°C |
| Short circuit time | max. | [sec] | 5 |
| Bending radius | min. | x diameter | 7,5 |
| Flammability | standard | | EN 60332-1-2 |

| Number of cores and nominal cross section mm ² | from stock | Copper figure kg/km | Wire diameter mm | Overall diameter appr. mm | Weight appr. kg / km |
|---|------------|---------------------|------------------|---------------------------|----------------------|
| 4 x 0,75 + 2 x (2x0,34) | ○ | 131 | 0,16 | 11,5 | 171 |
| 4 x 1,50 + 2 x (2x0,75) | ○ | 187 | 0,16 | 13,8 | 256 |
| 4 x 2,50 + 2 x (2x0,75) | ○ | 240 | 0,16 | 16,2 | 394 |
| 4 x 10,00 + 2 x (2x1) | ○ | 625 | 0,21 | 23,5 | 854 |
| 4 x 16,00 + 2 x (2x1) | ● | 902 | 0,21 | 26,5 | 1.152 |
| 4 x 25,00 + 2 x (2x1,5) | ○ | 1.310 | 0,21 | 30,0 | 1.672 |
| 4 x 35,00 + 2 x (2x1,5) | ○ | 1.748 | 0,21 | 34,2 | 2.116 |