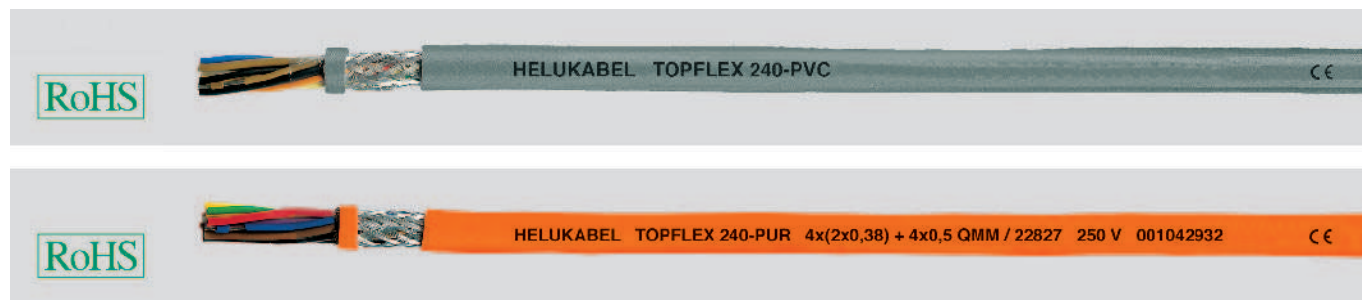


TOPFLEX® 240-PVC / 240-PUR

special measuring and data cable, EMC-preferred type



Technical data

- Special core and sheath compound from PVC
- **Core resistance** at 20°C
0,38 mm² max. 47 Ohm/km
0,50 mm² max. 36 Ohm/km
- **Temperature range**
flexing -10°C to +70°C
fixed installation -30°C to +80°C
- **Nominal voltage** 500 V
- **Test voltage**
core/core 2000 V
core/screen 1000 V
- **Insulation resistance**
min. 100 MOhm x km
- **Minimum bending radius**
approx. 10x cable Ø
- **Coupling resistance**
max. 250 Ohm/km

Cable construction

TOPFLEX® 240-PVC

- Tinned copper conductor
0,38 mm² 19x0,16 mm
0,50 mm² 28x0,15 mm
- PVC core insulation
- Cores stranded in pairs with optimal lay-length
- Film wrap
- Pairs stranded in layers with optimal lay-length
- Tinned copper braided screening, coverage approx. 85%
- PVC outer sheath
- Sheath colour grey (RAL 7000)

TOPFLEX® 240-PUR

- Highly-flexible copper wire stranding
- PUR-outer sheath
- Sheath colour orange (RAL 2003)

Properties

- **PVC-outer sheath** largely oil resistant; for Chemical Resistance see Technical Information table
- **PUR-outer sheath** particularly resistant to oil alkali as well as tear and abrasion proof
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- **Colour code No. 1 (Standard)**
0,38 mm²: orange/red violet/blue brown/black yellow/green
0,50 mm²: brown/black yellow/red
- **Colour code No. 2 (alternative)**
0,38 mm²: orange/red violet/blue brown/black yellow/grey
0,50 mm²: brown/black yellow/red
- **Colour-code No. 3 (to DIN 47100)**
0,38 mm²: white/brown green/yellow grey/pink blue/red
0,50 mm²: black/violet grey-pink/red-blue

Application

TOPFLEX® 240-PVC

Used as a data and electronics cable in machines, plant installation, conveyor systems etc.

TOPFLEX® 240-PUR

This cable type is available in the following types for use under extreme conditions in machine and plant engineering.

EMC = Electromagnetic compatibility

To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

TOPFLEX® 240-PVC grey

Part No.	Col. code no.	No. cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
22801	1	4 x 2 x 0,38 + 4 x 0,5	10,5	77,0	125,0	21
22891	3	4 x 2 x 0,38 + 4 x 0,5	10,5	77,0	125,0	21
22890	2	4 x 2 x 0,38 + 4 x 0,5	10,5	77,0	125,0	21

TOPFLEX® 240-PUR orange

Part No.	Col. code no.	No. cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
22827	1	4 x 2 x 0,38 + 4 x 0,5	10,9	77,0	135,0	21
22892	2	4 x 2 x 0,38 + 4 x 0,5	10,9	77,0	135,0	21

Dimensions and specifications may be changed without prior notice.