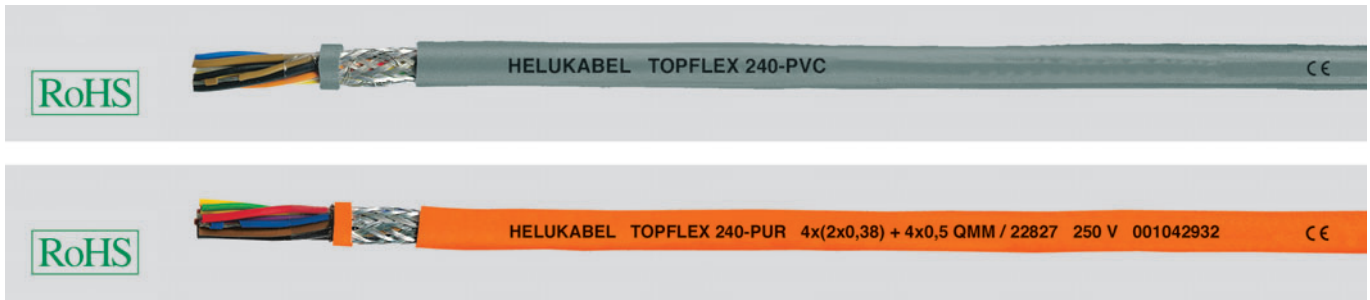


TOPFLEX® 240-PVC / 240-PUR special measuring and data cable, EMC-preferred type, meter marking



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 \varnothing
- **Coupling resistance**
max. 250 Ohm/km

Cable structure

- 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)
 - with meter marking, change-over in 2011
- TOPFLEX®240-PUR**
- Highly-flexible copper wire stranding
 - PUR-outer sheath
 - Sheath colour orange (RAL 2003)
 - with meter marking, change-over in 2011

Properties

- **PVC-outer sheath** largely oil resistant, for oil-/ 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 2006/95/EG.

TOPFLEX® 240-PVC grey

Part no.	Col. code no.	No. cores x cross-sec. mm ²	Outer \varnothing approx. mm	Cop. weight kg / km	Weight approx. 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. mm ²	Outer \varnothing approx. mm	Cop. weight kg / km	Weight approx. 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. (RD01)