Fluoroethylenepropylene cables for harsh applications

Product Description

Space and weight saving installation due to thin cable diameters;Low outgassing behaviour

CE RoHS

Application range

- Various fields of industry wherever very high temperatures, aggressive chemical media or tight spaces rule out the use of conventional cables
- Typical fields of application - Industrial furnace construction - Foundries - Chemical industry - Power plant engineering - Paint shop line technology - Heating elements - Polymer processing - Wind turbine engineering

Benefits

- Space and weight saving installation due to thin cable diameters
- Low outgassing behaviour

Design

- Fine strands of tinned copper wires
- FEP based core insulation
- Cores twisted together
- FEP based outer sheath, colour black

Product features

- ÖLFLEX® HEAT 205 made of FEP - Outstanding resistance against acids, solvents, lacquers, petrol, oils and many other chemical media - Difficult to inflame - High dielectric strength and high abrasion resistance - Low water absorption - Resistant to microbes - Adhesion free insulation - Weather and ozone resistant - Hydrophobic and dirt-repellent - High elongation and tear resistance - Resistant against hydraulic fluids

Technical Data

Core identification code
Up to 5 cores: Colour coded acc. to VDE 0293-308
Starting at 7 cores: ÖLFLEX® colour code, see Appendix T7
Conductor stranding
Fine wire according to VDE 0295, Class 5 / IEC 60228 Cl. 5 from 0.5 mm²
Minimum bending radius
Occasional flexing: 15 x cable diameter
Fixed installation: 4 x cable diameter
Rated voltage
U0/U 300/500 V

Test voltage
2500 V
Protective conductor
G = with protective conductor GN/YE
X = without protective conductor
Range of temperature
Fixed installation: -100°C up to +205°C

Article List

Part number	Number of cores and mm² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® HEAT 205 MC				
0091200	2 X 0,25	3,1	5.0	17.2
0091201	3 G 0,25	3,3	7.5	22.2
00912023	4 G 0,25	3,6	10.0	27.5
0091210	2 X 0,5	3,7	9.8	21.6
0091211	3 G 0,5	3,9	14.7	32.8
00912123	4 G 0,5	4,3	19.6	44.4
0091220	2 X 0,75	4,3	14.4	31.5
0091221	3 G 0,75	4,6	21.6	46.1
00912223	4 G 0,75	5,1	29.0	57.9
0091230	2 X 1	4,7	19.0	41.6
0091231	3 G 1	5.0	29.0	55.6
00912323	4 G 1	5,5	38.0	70
0091100	3 G 1,5	5,8	43.0	70
00911033	4 G 1,5	6,3	58.0	98
00911013	5 G 1,5	7.0	72.0	117
0091102	7 G 1,5	7,6	101.0	184
0091236	3 G 2,5	6,9	72.0	86
00912353	4 G 2,5	7,6	96.0	115

00912373	5 G 2,5	8,4	120.0	144
00912423	4 G 4	9,3	154.0	180
00912433	5 G 4	10,3	192.0	225

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.