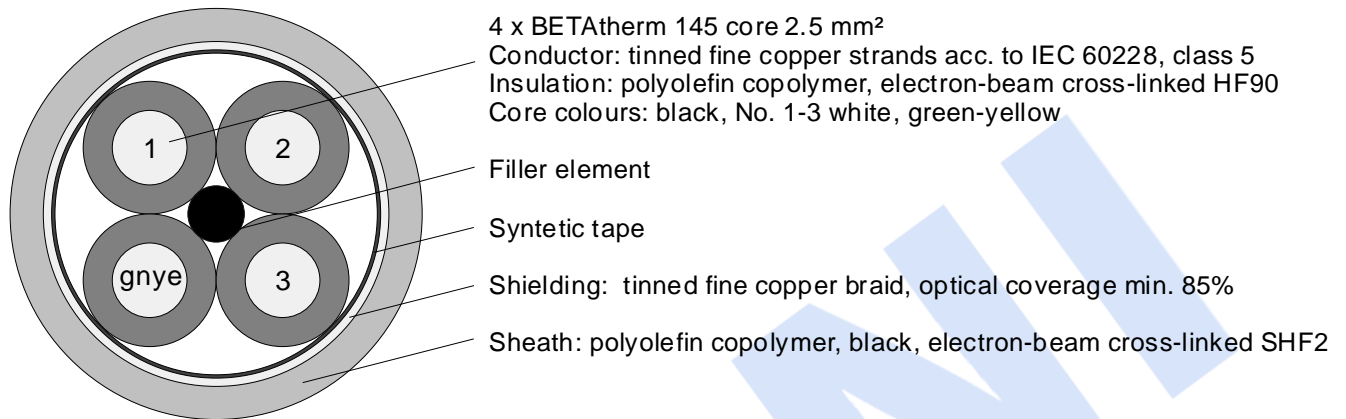


## BETAflam 145 C-flex, black

### 4G2.5 mm<sup>2</sup>, NRPE

Item no.: 225386

#### Construction



4 x BETAtherm 145 core 2.5 mm<sup>2</sup>

Conductor: tinned fine copper strands acc. to IEC 60228, class 5  
Insulation: polyolefin copolymer, electron-beam cross-linked HF90  
Core colours: black, No. 1-3 white, green-yellow

Filler element

Syntetic tape

Shielding: tinned fine copper braid, optical coverage min. 85%

Sheath: polyolefin copolymer, black, electron-beam cross-linked SHF2

#### Dimensions (approx.)

Ø BETAtherm 145 core	3.65 mm
Ø over core stranding	8.95 mm
Ø over shielding (copper braid)	9.35 mm
Ø cable	11.25 mm

#### Technical data

Nominal voltage	U <sub>0</sub> /U	600/1000 V
Testing voltage	core / core	3500 V
	core / shielding	2500 V
Max. conductor temperature	fixed installation	+ 145 °C
	occasionally moved	+ 120 °C
Min. ambient temperature	fixed installation	- 55 °C
	occasionally moved	- 35 °C
Min. bending radius	fixed installation	> 6 x cable-Ø
	occasionally moved	> 12 x cable-Ø
Cable weight		~ 205.5 kg/km

#### Fire performance and material properties

Halogen free	IEC 60754-1, EN 50267-2-1
No corrosive gases	IEC 60754-2, EN 50267-2-2
No toxic gases	NES 02-713, NF X 70-100
Low smoke density	IEC 61034, EN 50268-2
Flame retardant	IEC 60332-1, EN 50265-2-1
Non-flame propagating	IEC 60332-3, EN 50266-2, NF C 32-070
Low fire load	DIN 51900
Cross-linked insulation compound HF90	IEC 60092-360
Cross-linked sheathing compound SHF2	IEC 60092-360

Specifications subject to change without notice

**BETAflam 145 C-flex, black**  
**4G2.5 mm<sup>2</sup>, NRPE**  
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## Standards

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IEC 60092-376  
IEC 60092-353

## Approvals

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