

BETAflam 145 C-flex bk

1 x 150 mm² L

Item no.: 314906

Construction

1 x BETAtherm 145 core

Conductor: tinned fine copper strands acc. to IEC 60228, class 5

Insulation: polyolefin copolymer, electron-beam cross-linked HF90

Synthetic tape

Shieldingtinned fine copper braid, optical coverage min. 85 %

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

Dimensions (approx.)

Ø BETAtherm 145 core 150 mm ²	20.00 mm
Ø over shielding	20.70 mm
Ø cable	23.90 mm

Technical data

Nominal voltage	Uo/U	450/750 V
	fixed and protected installation	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		~ 1692 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