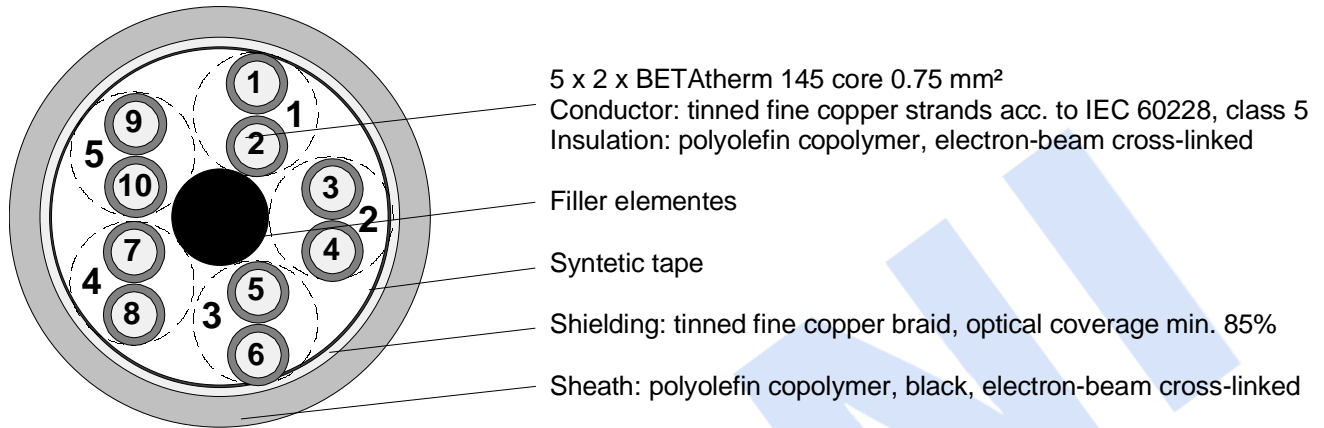


BETAflam 145 C-flex, black

5 x 2 x 0.75 mm² NR

Item no.: 309000

Construction



Dimensions (approx.)

Ø BETAtherm 145 core	2.20 mm
Ø over core stranding	9.40 mm
Ø over shielding (copper braid)	9.90 mm
Ø cable	12.70 mm

Electrical specifications at 90 °C conductor temp.

Nominal voltage U_0/U	Nominal current main core ¹	Impedance Ω/km	DC-Resistance Ω/km	AC-Resistance Ω/km	Reactance Ω/km	Capacitance		Inductance mH/km
						core/ core	core/ shielding	
						nF/km		
350/500 V	7 A	34	26.7	34.045	0.100	< 115	< 140	0.318

¹ S1 (perforated cable tray), Ambient temp. 45 °C

Technical data

Testing voltage	core / core	2000 V
	core / shielding	1500 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		~ 225 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

Specifications subject to change without notice