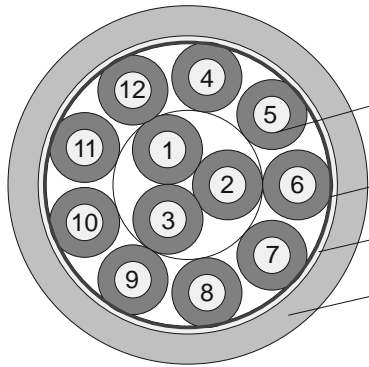


BETAflam 145 C-flex, black

12x0.75 mm², NR

Item no.: 214971

Construction



- 12 x BETAtherm 145 core 0.75 mm²
- Conductor: tinned fine copper strands acc. to IEC 60228, class 5
- Insulation: polyolefin copolymer, electron-beam cross-linked
- Synthetic tape
- Shielding: tinned fine copper braid, optical coverage min. 85%
- Sheath: polyolefine copolymer, black, electron-beam cross-linked

Dimensions (approx.)

Ø BETAtherm 145 core	2.20 mm
Ø over core stranding	9.00 mm
Ø over shielding (copper braid)	9.40 mm
Electrical cross section braid	2.50 mm ²
Mechanical cross section braid	2.50 mm ²
Ø cable	11.30 mm

Electrical specifications at 90 °C conductor temp.

Nominal voltage	Nominal current main core ¹	Impedance	DC-Resistance	AC-Resistance	Reactance	Capacitance	Inductance
U ₀ /U		Ω/km	Ω/km	Ω/km	Ω/km	nF/km	mH/km
300/500 V	7 A	34.05	26.7	34.05	0.113	188	0.360

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
	frequently moved	+ 90 °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		~ 208 kg/km

Specifications subject to change without notice

BETAflam 145 C-flex, black
12x0.75 mm², NR
Item no.: 214971

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

LEONOR

Specifications subject to change without notice