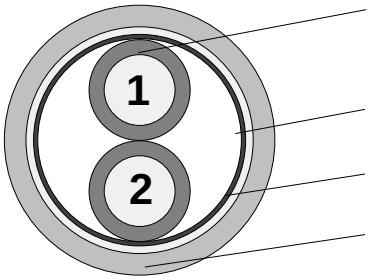
BETAflam 145 C-flex, light-blue
1 x 2 x 0.75 mm² NR

Item no.: 309935

Construction



1 x 2 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

Syntetic tape

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

Sheath: polyolefin copolymer, light-blue, electron-beam cross-linked

Dimensions (approx.)

Ø BETAtherm 145 core	2.20 mm
Ø over core stranding	4.40 mm
Ø over shielding (copper braid)	4.90 mm
Ø cable	6.40 mm

Electrical specifications at 90 °C conductor temp.

Nominal voltage	Nominal current main core[1]	Impedance	DC-Resistance	AC-Resistance	Reactance	Capacitance		Inductance
						core/ core	core/ shielding	
U_0/U		Ω/km	Ω/km	Ω/km	Ω/km	nF/km		mH/km
300/500 V	12 A	34	26.7	34.045	0.100	< 145	< 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		~ 59 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

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Standards

IEC 60092-350/376
IEC 60092-353

Approvals

LR, DNV

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