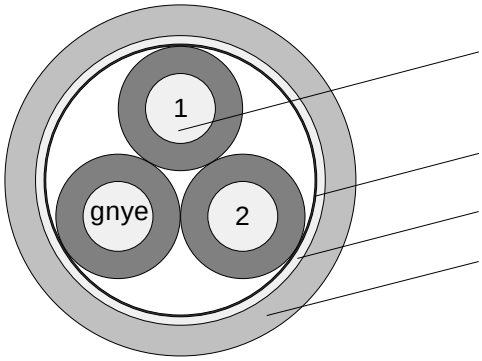
BETAflam 145 C-flex, black
3G1.5 mm², NRPE

Item no.: 221809

Construction



3 x BETAtherm 145 core 1.5 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: polyolefine copolymer, black, electron-beam cross-linked

Dimensions (approx.)

Ø BETAtherm 145 core	2.95	mm
Ø over core stranding	6.50	mm
Ø over shielding (copper braid)	6.90	mm
Electrical cross section braid	1.50	mm²
Mechanical cross section braid	1.50	mm²
Ø cable	8.50	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 nF/km	Inductance mH/km
600/1000 V	18 A	17.47	13.7	17.47	0.100	276	0.317

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

Technical data

Testing voltage	core / core	3500 V
	core / shielding	2500 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		~ 109.5 kg/km

Specifications subject to change without notice

29.08.16 / büf

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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

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