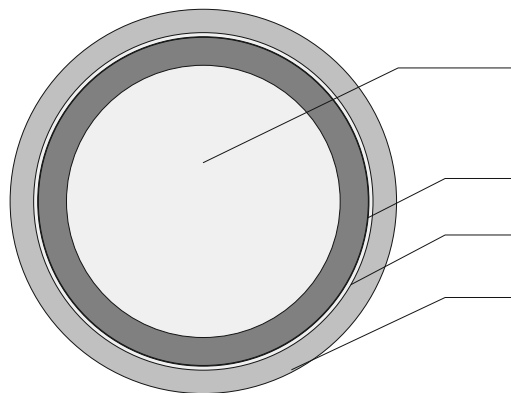


Construction

Example 1x300 mm²



- 1 x BETAtherm 145 core 300 mm²
- Conductor: tinned fine copper strand acc. to IEC 60228, class 5
- Insulation: polyolefine 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.) and electrical specifications

Item no.	Construction	Ø BETAtherm 145 Core (mm)	Ø over shielding (mm)	Ø Cable (mm)	Cable weight (kg/km)	Nominal voltage U ₀ /U	Current rating (A) Ambient temp. 30 °C			
							Free in air		On surface with opposite contact	
							90 °C	120 °C	90 °C	120 °C
TR-16267	1x16 mm ²	7.20	7.70	9.30	218	450/750 V 600/1000 V Fixed and protected installation	135	165	94	115
TR-16268	1x25 mm ²	8.50	9.10	11.00	320		178	218	126	154
309241	1x50 mm ²	12.50	13.00	15.30	623		287	349	205	252
TR-16269	1x70 mm ²	14.00	14.60	17.00	834		356	434	256	313
311368	1x95 mm ²	16.00	16.60	19.40	1093		425	518	308	378
218046	1x120 mm ²	17.80	18.50	21.50	1357		501	610	365	447
TR-16270	1x150 mm ²	20.00	20.70	23.90	1692		578	704	422	517
TR-16195	1x185 mm ²	21.90	22.60	26.00	2016		656	798	481	589
TR-16271	1x240 mm ²	25.10	25.90	29.50	2644		787	958	578	709
TR-16197	1x300 mm ²	28.10	28.90	32.90	3310	911	1108	669	821	

Specifications subject to change without notice

Technical data

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
Short circuit temperature		+ 280 °C
Min. bending radius	fixed installation	> 6 x cable-Ø
	occasionally moved	> 12 x cable-Ø

Standards / material properties

Halogen free	IEC 60754-1, EN 50267-2-1
No corrosive gases	IEC 60754-2, EN 50267-2-2
No toxic gases	NF X 70-100
Low smoke density	IEC 61034, DIN EN 61034-2, EN 50268-2
Flame retardant	EN/IEC 60332-1-2
Non-flame propagating	IEC 60332-3, DIN EN 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

Approvals

Germanischer Lloyd (GL)
 Lloyd's Register (LR)
 BUREAU VERITAS (BV)
 DET Norske Veritas (DNV)
 CHINA CLASSIFICATION SOCIETY (CCS)
 Class NK
 Gost R

Specifications subject to change without notice