

SOLIDE- AND STRANDED WIRES ACCORDING TEMPERATURE CLASS (A, F, H)



CONDUCT – PROTECT – INSULATE



The BETatherm® 155 Stranded Wires have an electron beam cross-linked insulation, which does not melt even at elevated temperatures and has good thermal pressure resistance. The Stranded Wires are flame-retardant and resistant to all common insulating varnishes.

BETatherm® 155 stranded wires / Radiation cross-linked

Conductors:

The conductors are made of tinned copper fine wires in accordance with DIN VDE 0295 / Class 5 (IEC 228, Class 5)

Insulation:

BETatherm®, electron-beam cross-linked polyolefin copolymer with increased temperature resistance

Temperature Class:

F (155°C), up to 155°C continuous temperature

Operating voltage:

U₀ = voltage pole conductor - earth

U = voltage pole conductor - pole conductor

U₀ / U up to 0.75 mm²

450/750 V

U₀ / U from 1 mm² / 600/1000 V U₀ Version UL/CSA 600/600 V

Test voltage:

500 V

Thermal load:

Self-extinguishing

Smoke formation: medium

Corrosive gases: low to medium

Oil resistance:

medium

Bending radius:

4 x outer diameter

Packaging:0.25 mm² - 0.75 mm² Cardboard spools of 200 meters1.00 mm² - 4.00 mm²: Cardboard spools of 100 meters6.00 mm² - 10.00 mm²: Rings of 100 meters16.00 mm² - 25.00 mm²: Rings of 50 metersFrom 35.00 mm² Rings of 25 meters**Dimensions, technical data:**

Masternumber	Copper conductor			Insulation	Total weight	Colors								
	Section	Number of wires x nominal-Ø	Weight	Nominal-Ø		RT	BL	SW	WS	GN	GE	GR	BR	GNGE
	[mm ²]	[mm]	[kg/km]	[mm]										
SLBT0025	0,25	14 x 0,15	2,4	1,6	4,6									*
SLBT0050	0,50	16 x 0,20	4,8	1,9	7							*		
SLBT0075	0,75	24 x 0,20	7,2	2,2	10									
SLBT0100	1,00	32 x 0,20	9,6	2,5	13							*		
SLBT0150	1,50	30 x 0,25	14,4	3,1	20					*		*		
SLBT0250	2,50	50 x 0,25	24,0	3,8	32					*		*	*	
SLBT0400	4,00	56 x 0,30	38,0	4,5	47				*	*		*	*	
SLBT0600	6,00	84 x 0,30	58,0	5,4	69				*	*	*	*	*	
SLBT1000	10,00	80 x 0,40	96,0	6,5	110		*		*	*	*	*	*	*
SLBT1600	16,00	126 x 0,40	154,0	8,4	180	*	*		*	*	*	*	*	*
SLBT2500	25,00	196 x 0,40	240,0	10,2	270	*	*		*	*	*	*	*	*
SLBT3500	35,00	280 x 0,40	336,0	11,6	380	*	*		*	*	*	*	*	*
SLBT5000	50,00	399 x 0,40	480,0	13,7	530	*	*		*	*	*	*	*	*
SLBT7000	70,00	570 x 0,40	672,0	15,8	740	*	*		*	*	*	*	*	*
SLBT9500	95,00	475 x 0,50	912,0	18,2	980	*	*		*	*	*	*	*	*

Masternumber	Copper conductor			Insulation	Total weight	Colors								
	Section	Number of wires x nominal-Ø	Weight	Nominal-Ø		RT	BL	SW	WS	GN	GE	GR	BR	GNGE
	[mm ²]	[mm]	[kg/km]	[mm]										
SLBT12000	120,00	608 x 0,50	1152,0	20,2	1240	*	*	*	*	*	*	*	*	*
SLBT15000	150,00	760 x 0,50	1440,0	22,1	1540	*	*	*	*	*	*	*	*	*
SLBT18500	185,00	950 x 0,50	1776,0	25,0	1920	*	*	*	*	*	*	*	*	*
SLBT24000	240,00	1216 x 0,50	2304,0	27,9	2450	*	*	*	*	*	*	*	*	*

! ex stock

* on request

Example article no.: SLBT0025 = master number GN = color green

BETatherm® 155 UL/CSA stranded wires, style 3289

Dimensions, technical data:

Masternumber	Size	Section	Outer diameter	Colors							
	[AWG]	[mm ²]	[mm]	RT	BL	SW	WS	GN	GE	BR	GNGE
SLBTUL22	22	0,38	2,4±0,1			♦	♦			♦	
SLBTUL20	20	0,61	2,6±0,1	♦	♦	♦	♦	♦		♦	
SLBTUL18	18	0,96	2,9±0,1	♦	♦	♦	♦		♦	♦	♦
SLBTUL16	16	1,34	3,1±0,1	♦	♦	♦	♦			♦	♦
SLBTUL14	14	2,09	3,5±0,1	♦	♦	♦	♦				
SLBTUL12	12	3,31	4,2±0,1			♦					
	Metric										
SLBTUL0600	approx. AWG 10	6,00	4,7±0,2			♦					
SLBTUL1000	approx. AWG 8	10,00	6,5±0,3			♦					

Masternumber	Size	Section	Outer diameter	Colors							
	[AWG]	[mm ²]	[mm]	RT	BL	SW	WS	GN	GE	BR	GNGE
SLBTUL1600	approx. AWG 6	16,00	8,2±0,3			♦					
SLBTUL2500	approx. AWG 4	25,00	9,4±0,3			♦					
SLBTUL3500	approx. AWG 2	35,00	10,9±0,4			♦					
SLBTUL5000	approx. AWG 1/0	50,00	14,1±0,4			♦					
SLBTUL7000	approx. AWG 2/0	75,00	15,6±0,4			♦					
SLBTUL9500	approx. AWG 3/0	95,00	17,2±0,4			♦					

♦ ex works warehouse

♦ Example article no.: SLBTUL0600 = master number GN = color green