

## Stranded Hook Up Wires BETatherm® 155

® registered trade mark of Studer Cables

<b>Conductor</b>	Tin plated wires according to DIN VDE 0295 Class 5 (IEC 228, Class 5)
<b>Insulation:</b>	BETatherm®, electron beam cross-linked polyolefine copolymer with increased temperature resistance
<b>Temperature Class:</b>	F (155°C), until permanent temperature 155°C
<b>Rated voltage:</b>	$U_0$ = Voltage conductor - ground $U$ = Voltage conductor - conductor $U_0 / U$ until 0,75 mm <sup>2</sup> 450/750 V $U_0 / U$ ab 1 mm <sup>2</sup> 600/1000 V $U_0$ execution UL/CSA 600/600 V
<b>Test Voltage:</b>	3500 V
<b>Behaviour in case of fire:</b>	fire behaviour: self-extinguishing smoke generation: middle corrosive gases low to middle
<b>Oil resistance:</b>	middle
<b>Bending radius:</b>	4 x outer diameter
<b>Colours:</b>	red (RT), light blue (HBL), black (SW), white (WS), green (GN), yellow (GE), grey (GR), brown (BR), green-yellow (GNGE)



<b>Conditioning:</b>	0,25 mm <sup>2</sup> - 0,75 mm <sup>2</sup>	board bobbin with 200 m
	1,00 mm <sup>2</sup> - 2,50 mm <sup>2</sup>	board bobbin with 100 m:
	4,00 mm <sup>2</sup> - 10,00 mm <sup>2</sup> :	ring with 100 m
	16,00 mm <sup>2</sup> - 25,00 mm <sup>2</sup> :	ring with 50 m
	from 35,00 mm <sup>2</sup> :	ring with 25 m

### Dimensions, technical data

Main number	Copper conductor			Insulation nom. Ø [mm]	Total weight [kg/km]	Colours										
	Cross Section [mm <sup>2</sup> ]	Number x nom.- Ø [mm]	Weight [kg/km]			RT	HBL	SW	WS	GN	GE	GR	BR	OR	VI	GNGE
	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	*	*	●	*	*	*	*	*	*	*	*
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	*	*	*	*	*	*	*	*	*	*	*

● Stock item

\* on request

**Item number:** Example SLBT0025GN  
 SLBT0025 = main number  
 GN = colour (green)

## Stranded Hook Up Wires BETAtherm® 155, UL/CSA recognized, style 3289

(No stock item)

® registered trade mark of Studer Cables

<b>Conductor:</b>	tin plated copper
<b>Insulation:</b>	BETAtherm®, electron beam cross-linked polyolefine- copolymer with increased temperature resistance
<b>Temperature Class:</b>	F (155°C), until 155°C permanent temperature
<b>Approvals:</b>	UL style 3289, File E146164, CSA/CL 1503 Certificate no LL101982
<b>Test Voltage:</b>	3500 V 50 Hz
<b>Colours:</b>	red (RT), light blue (HBL), black (SW), white (WS), green (GN), yellow (GE), grey (GR), brown (BR), green-yellow (GNGE)
<b>Conditioning:</b>	AWG24 = 300 m per bobbin AWG22 = 250 m per bobbin AWG20 = 200 m per bobbin AWG18 = 400 m per bobbin AWG16 = 400 m per bobbin AWG14 = 400 m per bobbin AWG12 = 150 m per ring AWG10 = 150 m per ring The conditioning is not binding.



### Dimensions, technical data:

Main number	Size	Cross Section	Outer-Ø	Colours								
	[AWG]			[mm²]	[mm]	RT	BL	SW	WS	GN	GE	BR
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			●						
SLBTUL0600	ca. AWG 10	6,00	4,7±0,2			●						
SLBTUL1000	ca. AWG 8)	10,00	6,5±0,3			●						
SLBTUL1600	ca. AWG 6	16,00	8,2±0,3			●						
SLBTUL2500	ca. AWG 4	25,00	9,4±0,3			●						
SLBTUL3500	ca. AWG 2	35,00	10,9±0,4			●						
SLBTUL5000	ca. AWG 1/0	50,00	14,1±0,4			●						
SLBTUL7000	ca. AWG 2/0	75,00	15,6±0,4			●						
SLBTUL9500	ca. AWG 3/0	95,00	17,2±0,4			●						

● from stock of manufacturer

<b>Item number:</b>	Example: SLBTUL22SW
	SLBTUL22 = main number
	SW = colour (black)