

# USB 3.0 Cables

- USB 3.0 S** Continuous flex USB 3.0 cable suitable for cable tracks
- USB 3.0 RT** Continuous flex USB 3.0 cable suitable for robots
- USB 3.0** Flexible USB 3.0 cable



Marking for USB 3.0 S 6042098:  
 SAB BRÜCKSKES · D-VIERSEN · USB 3.0 S 3x(2x28AWG)ST+2x26AWG 6042098  
 AWM Style 20549 80° 300V CE

<b>Construction:</b>	<b>USB 3.0 S</b> <i>suitable for cable tracks</i>	<b>USB 3.0 RT</b> <i>suitable for robots</i>	<b>USB 3.0</b> <i>flexible</i>
<b>Item numbers:</b>	6042098	6043098 / 6043096	6030078
<b>Dimensions:</b>	3 x (2 x 28 AWG)ST + 2 x 26 AWG	3 x (2 x 28 AWG)ST + 2 x 26 AWG 3 x (2 x 26 AWG)ST + 2 x 24 AWG	2 x (2 x 28 AWG)ST + 2 x 28 AWG + 2 x 26 AWG
<b>Conductor:</b>	silver-plated strands and tinned copper strands	silver-plated strands and tinned copper strands	silver-plated strands and tinned copper strands
<b>Insulation:</b>	special polymer	special polymer	special polymer
<b>Color code:</b>	yellow, blue + orange, violet (USB 3.0), green, white (USB 2.0), red, black (power supply)		
<b>Stranding:</b>	twisted pairs and data pairs shielded, all elements together	twisted pairs and data pairs shielded, all elements together	USB 3.0 twisted and screened pairs, USB 2.0 twisted pairs, all elements together
<b>Wrapping:</b>	non-woven tape	woven tape + non-woven tape	non-woven tape
<b>Shielding:</b>	tinned copper braiding	tinned copper braiding	tinned copper braiding
<b>Wrapping:</b>	non-woven tape	non-woven tape	non-woven tape
<b>Jacket material:</b>	PUR	PUR	PVC
<b>Jacket color:</b>	black (RAL 9005)	black (RAL 9005)	black (RAL 9005)

<b>Technical data:</b>	<b>USB 3.0 S</b> <i>suitable for cable tracks</i>	<b>USB 3.0 RT</b> <i>suitable for robots</i>	<b>USB 3.0</b> <i>flexible</i>
<b>Peak operating voltage:</b>	max. 350 V	max. 350 V	max. 350 V
<b>Voltage UL:</b>	300 V	300 V	300 V
<b>Testing voltage:</b> conductor/conductor: conductor/shielding:	2000 V 2000 V	2000 V 2000 V	2000 V 2000 V
<b>Min. bending radius:</b> fixed installation: free movement: continuous flex:	5 x O.D. 10 x O.D. 12 x O.D.	5 x O.D. 10 x O.D. 15 x O.D.	5 x O.D. 10 x O.D. —
<b>Torsion angle:</b>	—	up to ± 360°/m	—
<b>Temperature range VDE:</b> static: flexible:	UL: up to 80°C -50/+90°C -40/+90°C	UL: up to 80°C -50/+90°C -40/+90°C	UL: up to 80°C -30/+70°C -5/+70°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2		
<b>Oil resistance:</b>	very good, TMPU acc. to EN 50363-10-2	very good, TMPU acc. to EN 50363-10-2	very good - TM5 acc. to EN 50363-4-1
<b>UL Style:</b>	20549	20549	21083
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see page O/30		

item no.	type	dimensions AWG	nominal outer-ø		cable weight ≈lbs/mft	ohmic resistance at 20°C max.Ω/km		
			inch	mm		28 AWG	26 AWG	24 AWG
▶ 6042098	USB 3.0 S	28 (≈ 7/38)ST/3pr + 26 (≈ 7/34)/2c	0.240	6.1	30	223	140	—
▶ 6043098	USB 3.0 RT	28 (≈ 7/38)ST/3pr + 26 (≈ 7/34)/2c	0.252	6.4	34	223	140	—
▶ 6043096	USB 3.0 RT	26 (≈ 7/34)ST/3pr + 24 (7 strand)/2c	0.315	8.0	49	—	130	83.3
▶ 6030078	USB 3.0	28 (≈ 7/38)ST/2pr + 28 (≈ 7/38)/2c + 26 (≈ 7/34)/2c	0.240	6.1	32	223	140	—

Other dimensions and colors are available on request

Also possible as a cable assembly with USB type A or B plug CABLE ASSEMBLY POSSIBLE

