

# USB 3.0 S, USB 3.0 RT, USB 3.0



Marking for USB 3.0 S 06042098:

SAB BRÖCKSKES · D-VIERSEN · USB 3.0 S 3x(2x28AWG)ST+2x26AWG 0604-2098

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>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		
<b>Insulation:</b>	special polymer		
<b>Colour code:</b>	yellow, blue + orange, violet (USB 3.0), green, white (USB 2.0), red, black (power supply)		
<b>Stranding:</b>	twisted pairs and datapairs screened, all elements together		USB 3.0 twisted and screened pairs, USB 2.0 twisted pairs, all elements together
<b>Wrapping:</b>	non-woven tape	netting tape + non-woven tape	non-woven tape
<b>Screen:</b>	tinned copper braiding		
<b>Wrapping:</b>	non-woven tape		
<b>Sheath material:</b>	PUR		PVC
<b>Sheath colour:</b>	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>Item numbers:</b>	0604-2098	0604-3098, 0604-3096	0603-0078
<b>Peak operating voltage:</b>	max. 350 V		
<b>Voltage UL:</b>	300 V		
<b>Testing voltage</b> core/core: core/screen:	2000 V 2000 V		
<b>Min. bending radius</b> fixed laying: flexible application: continuously flexible:	5 x d 10 x d 12 x d	5 x d 10 x d 15 x d	5 x d 10 x d
<b>Torsion angle:</b>	---	up to ±360°/m	---
<b>Temperature range VDE</b> fixed laying: flexible application:	<b>UL:</b> up to +80 °C -50/+90 °C -40/+90 °C		<b>UL:</b> up to +80 °C -30/+70 °C -5/+70 °C
<b>Fire performance:</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 - TM5 acc. to EN 50363-4-1
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union		

item no.	type	dimensions mm²	outer-ø approx. mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance at 20°C max.Ω/km		
						28 AWG	26 AWG	24 AWG
06042098	USB 3.0 S	3 x (2 x 28 AWG)ST + 2 x 26 AWG	6,1	26,5	45	223	140	—
06043098	USB 3.0 RT	3 x (2 x 28 AWG)ST + 2 x 26 AWG	6,4	28,1	50	223	140	—
06043096	USB 3.0 RT	3 x (2 x 26 AWG)ST + 2 x 24 AWG	8,0	38,9	73	—	130	83,3
06030078	USB 3.0	2 x (2 x 28 AWG)ST + 2 x 28 AWG + 2 x 26 AWG	6,1	25,5	48	223	140	—

Other dimensions and colours are possible on request.



**For transmission lengths  
more than 3 m,  
please contact us!**