

transmission length
up to 3m!

USB 3.0 CABLES

USB 3.0 S USB 3.0 cable with UL recognition, continuously flexible, suitable for cable tracks
USB 3.0 RT USB 3.0 cable with UL recognition, continuously flexible, suitable for robots
USB 3.0 USB 3.0 cable with UL recognition, flexible



Marking for USB 3.0 S 06042098:
 SAB BRÖCKSKES · D-VIERSEN · USB 3.0 S 3x(2x28AWG)ST+2x26AWG
 06042098 UL AWM Style 20549 300V 80° CE

The robot cable USB 3.0 was developed for high frequency data transmission in industry. Whether for the identification of parts and components, for visual inspection, welded seam control or for the collection of bar codes or type tests; a quick and reliable collection and transmission of data from the camera to the industrial PC are absolutely important. Our highly flexible robot cable USB 3.0 was especially developed for this application. It guarantees excellent transmission characteristics as it is demanded for intelligent image processing with a transmission distance of up to 3 m without amplifier under extreme industrial application conditions.

item no.	type	dimension		nominal outer-ø		cable weight ≈ lbs/mft	ohmic resistance at 20°C max. Ω/km 28 AWG 26 AWG	
		AWG	inch	mm	28 AWG		26 AWG	
▶ 06042098	USB 3.0 S	28 (≈ 7/38)ST/3pr + 26 (≈ 7/38)/2c	0.240	6.1	30	223	140	
▶ 06043098	USB 3.0 RT	28 (≈ 7/38)ST/3pr + 26 (≈ 7/38)/2c	0.252	6.4	34	223	140	
▶ 06030078	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 possible on request.



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

Construction:	USB 3.0 S <i>suitable for cable tracks</i>	USB 3.0 RT <i>suitable for robots</i>	USB 3.0 <i>flexible</i>
Item number:	06042098	06043098	06030078
Dimension:	3 x (2 x 28 AWG)ST + 2 x 26 AWG		2 x (2 x 28 AWG)ST + 2 x 28 AWG + 2 x 26 AWG
Conductor:	silver-plated strands (AWG 28) · tinned copper strands (AWG 26)		
Insulation:	special polymer		
Color code:	yellow, blue + orange, violet (USB 3.0), green, white (USB 2.0), red, black (power supply)		
Stranding:	pairs AWG28 twisted to pairs and screened, all elements together		USB 3.0 twisted and screened pairs, USB 2.0 twisted pairs, all elements together
Wrapping:	non-woven tape	netting tape + non-woven tape	non-woven tape
Screen:	tinned copper braiding		
Wrapping:	non-woven tape		
Jacket material:	PUR		PVC
Jacket color:	black (similar RAL 9005)		

Technical data:	USB 3.0 S <i>suitable for cable tracks</i>	USB 3.0 RT <i>suitable for robots</i>	USB 3.0 <i>flexible</i>
Peak operating voltage VDE:	max. 350 V		
Voltage UL:	300 V		
Testing voltage:	conductor/conductor 2000 V, conductor/screen 2000 V		
Temperature range VDE fixed laying: flexible application:	UL: up to + 80°C - 50°C / + 90°C - 40°C / + 90°C		UL: up to + 80°C - 30°C / + 70°C - 5°C / + 70°C
Min. bending radius fixed laying: flexible application: 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.
Torsion angle:	—		up to ± 360°/m
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2		
Oil resistance:	very good, TMPU acc. to EN 50363-10-2		very good - TM5 acc. to DIN VDE 0281 part 1 + HD 22.1
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30		

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