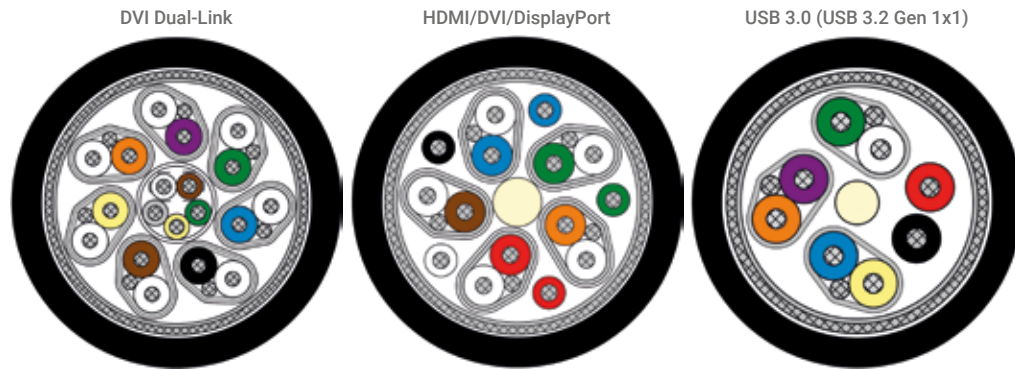
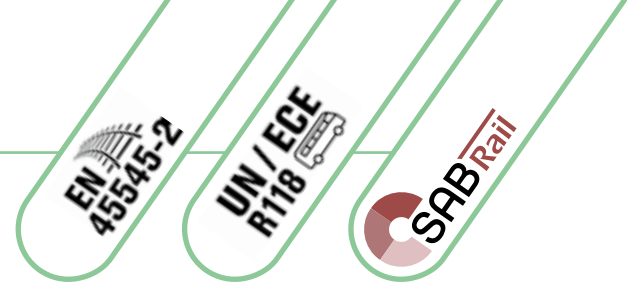


Halogen-free Cables

SABIX® R flex Data IQ

digital signal and data cable

DVI Dual-Link / HDMI/DVI/DisplayPort / USB 3.0 (USB 3.2 Gen 1x1)



Fulfills fire protection requirements R15 (EL1A) and R16 (EL1B) acc. to EN 45545-2 for hazard levels HL1-2

marking example:

SAB BRÜCKSKES · D-VIERSEN · SABIX® R flex Data IQ 3x(2xAWG30)ST+2xAWG28 USB 3.0 6650-0003 UL AWM Style 21080 75°C 300V CE

Application: For fixed and flexible installation with medium mechanical stress use in rail vehicles, indoor as well as outdoor.

Construction:	SABIX® R flex Data IQ DVI Dual-Link	SABIX® R flex Data IQ HDMI/DVI/DisplayPort	SABIX® R flex Data IQ USB 3.0 (USB 3.2 Gen 1x1)
Dimension:	7 x (2 x 28 AWG)ST + 5 x 28 AWG	5 x (2 x 28 AWG)ST + 5 x 28 AWG	3 x (2 x 30 AWG)ST + 2 x 28 AWG
Conductor:		tinned copper strands, fine wires	
Insulation:		special SABIX®	
Colour code:		acc. to drawing	
Stranding:		acc. to drawing	
Screen:		alu foil and tinned copper braiding	
Sheath material:		special SABIX®	
Sheath colour:		black (similar RAL 9005)	
Technical data:	SABIX® R flex Data IQ DVI Dual-Link	SABIX® R flex Data IQ HDMI/DVI/DisplayPort	SABIX® R flex Data IQ USB 3.0 (USB 3.2 Gen 1x1)
Item number:	6650-0001	6650-0002	6650-0003
Peak operating voltage:		max. 90 V	
Voltage UL:		300 V	
Testing voltage			
core/core:		2000 V	
core/screen:		2000 V	
Min. bending radius			
fixed laying:		4 x d	
flexible application:		12 x d	
Temperature range		UL: up to +75 °C	
fixed laying:		-50/+90 °C	
flexible application:		-40/+90 °C	
Halogen-free:	acc. to EN 50306-1 + EN 50264-1. Development of HCl is ≤ 0,5% acc. to IEC 60754-1. pH-value is ≥ 4,3 acc. to IEC 60754-2. Conductivity is ≤ 10,0 µS/mm acc. to IEC 60754-2. Fluoric content ≤ 0,1% acc. to IEC 60684-2		
Fire performance:	no flame propagation acc. to IEC 60332-3-25 + VDE 0482-332-3-25 and EN 50305 + VDE 0260-305 section 9.1.2. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2. Flame retardant acc. to ISO 6722 (UN/ECE R118)		
Smoke density:	acc. to IEC 61034 + VDE 0482-1034		
Toxicity:	acc. to EN 50305 + VDE 0260-305		
Oil and fuel resistance:	acc. to EN 50264-1 + VDE 0260-264-1		
Characteristic impedance:	100Ω ± 10Ω		90Ω ± 10Ω
Flexibility:		good	
Weather resistance:		good	
Application:	appropriate for DVI Dual-Link applications	appropriate for HDMI, DVI and DisplayPort applications	appropriate for USB 3.0 applications
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“		

item no.	type	dimension	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
66500001	SABIX® R flex Data IQ – DVI Dual-Link	7 x (2 x 28 AWG)ST + 5 x 28 AWG	approx. 8,6 max. 8,9	49,7	98
66500002	SABIX® R flex Data IQ – HDMI/DVI/DisplayPort	5 x (2 x 28 AWG)ST + 5 x 28 AWG	approx. 7,8 max. 8,0	40,8	82
66500003	SABIX® R flex Data IQ – USB 3.0 (USB 3.2 Gen 1x1)	3 x (2 x 30 AWG)ST + 2 x 28 AWG	approx. 5,2 max. 5,6	22,5	39

Other dimensions and colours are possible on request.