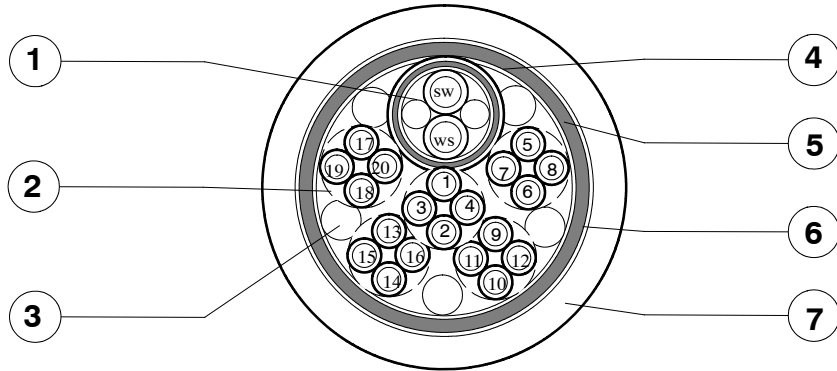




Databus cable for traction UIC

22 - cores / 1 x bus



- | | | |
|--|--|----------|
| <p>1. 1 Pair 2 x 0.75 mm²
DATABUS 120 Ohm</p> | <p>Conductor : flexible tin plated copper 19 x 0.22 mmØ
 Insulation : RADOX FOAM Ø : 2.65 mm
 Colours : white, black
 2 cores twisted Ø : 5.30 mm
 Wrapping : tape
 Screen : tin plated copper braid
 Jacket : TPE, colour : white Ø : 6.70 mm</p> | <p>4</p> |
| <p>2. 5 quads 4 x 1.0 mm²</p> | <p>Conductor : flexible tin plated copper 19 x 0.25 mmØ
 Insulation : RADOX COM Ø : 1.80 mm
 Colours : white, numbered see picture above
 4 cores twisted Ø : 4.40 mm</p> | <p>5</p> |
| <p>3. Fillers</p> | | <p>6</p> |
| <p>4. Wrapping</p> | <p>Tape</p> | <p>7</p> |
| <p>5. EMC - Screen optimised</p> | <p>Tin plated copper braid</p> | |
| <p>6. Wrapping</p> | <p>Tape</p> | |
| <p>7. Sheath</p> | <p>TPE, colour : black</p> | |

Marking : H + S 12548811-zzzzzz
 Production lot number

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The product fulfils the test and specification requirements described in this document for the stated areas of application and operating conditions. HUBER+SUHNER AG does not expressly or implicitly guarantee performance under additional or changed conditions. Deviations are to be agreed upon in writing.

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Databus cable for traction UIC

22 - cores / 1 x bus

Technical Data :

Pos. 1 : Quad 4x1.0 mm² :

Conductor resistance at 20°C	≤ 22.6	Ω / km
Voltage rating U ₀ / U	300 / 300	V
Test voltage	2 000	V
Mutual capacitance _{nom.}	90	pF / m

Pos. 2 : DATABUS 120 Ohm, 2x0.75 mm² :

Conductor resistance at 20°C	≤ 28.7	Ω / km
Voltage rating U ₀ / U	300 / 300	V
Test voltage	2 000	V
Mutual capacitance _{nom.}	40	pF / m
Impedance	f = 0.5 ... 2 MHz	120 ± 12 Ω
Attenuation _{nom.}	f = 1 MHz	10.0 dB / km
	f = 2 MHz	14.0 dB / km
Transferimpedance	f ≤ 30 MHz	≤ 30 mΩ / m

Cable :

Crosstalk attenuation f = 60...200 kHz	pair/quad	≥ 80	dB
	quad/quad	≥ 60	dB
Transferimpedance of total screen (item 6)	f ≤ 500 kHz	≤ 10	mΩ / m
Temperature range	fixed	- 40 ... + 90	°C
	flexing	- 25 ... + 90	°C
Min. bending radius	fixed	4 x cable dia.	
	flexing	5 x cable dia.	
Cable weight per 100m		approx. 50	kg