



Sensor cable

continuously flexible TPE/PUR data cable with coloured core
3 x (1 x 0,14 mm²)D + 12 x 0,14 mm²



Marking for sensor cable:

SAB BRÜCKSKES · D-VIERSEN · Special Cable AWM Style 21198 80°C 300V CSA AWM I A/B 80°C 300V FT2 CE

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	TPE
Colour code:	with reference to DIN 47100
Stranding:	specially adjusted layering with non-woven tape over each layer
Screen:	wrapped with tinned copper
Wrapping:	non-woven tape
Sheath material:	PUR
Sheath colour:	black (RAL 9005)

Technical Data:

Peak operating voltage:	max. 150 V	
Voltage UL/CSA:	300 V	
Testing voltage:	core/core	2000 V
	core/screen	2000 V
Min. bending radius		
<i>fixed laying:</i>	5 x d	
<i>flexible application:</i>	10 x d	
<i>individual bending:</i>	90° for a length of 7 cm	
Temperature range	DIN VDE	UL/CSA: up to +80°C
<i>fixed laying:</i>	-40/+80°C	
<i>flexible application:</i>	-30/+70°C	
<i>high temperature:</i>	up to +90°C	
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	
Resistance:	very good against water, glycol and frost	
Absence of harmful substances:	acc. to RoHS directive of the European	

item no.	no. of cores x cross section n x mm ²	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance at 20°C max. Ω/km
on request	3 x (1 x 0,14 mm ²)D + 12 x 0,14 mm ²	7,2	45,1	74	139,3

Other dimensions and colours are possible on request.

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Application: Highly flexible sensor cable for the transmission of measured values of a weather station for the control of the yaw mechanism in wind energy plants. The highly flexible construction makes the cable resistant against the existing vibration of the rotor system.

