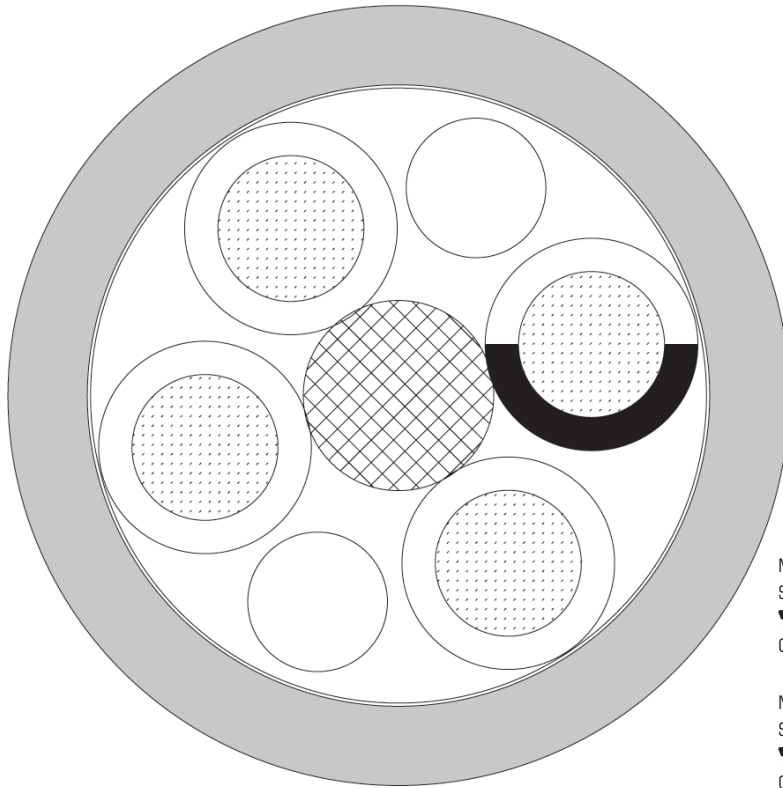




S 670 PUR hybrid field bus control cable, suitable for cable tracks

S 671 PVC hybrid field bus control cable, suitable for cable tracks



**optical
waveguide
+
copper
conductors**

Marking for S 670 06701604:

SAB BRÜCKSKES · D-VIERSEN · S 670 4 x 1,5 mm² + 2 POF

AWM Style 21060 80 °C 600V

CSA AWM I/II A/B 80 °C 600V FT1 FT2 CE

Marking for S 671 06711802:

SAB BRÜCKSKES · D-VIERSEN · S 671 2 x 1,0 mm² + 2 POF

AWM Style 21047 75 °C 600V

CSA AWM I/II A/B 75 °C 600V FT1 FT2 CE

Construction:

Conductor:	bare copper stands, extra fine wires
Insulation:	PVC, Tl2 acc. to DIN VDE 0281 part 1
Colour code:	black cores with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 cores
Optical waveguide:	POF (polymeric optical fibres)
Colour code POF:	black
Stranding:	cores and POF in specially adjusted layering
Wrapping:	non-woven tape
Sheath material:	S 670: PUR, TPU acc. to DIN VDE 0282 part 10 with mat surface S 671: PVC, TM2 acc. to DIN VDE 0281 part 1, reinforced wall-thickness
Sheath colour:	acc. to customers' specifications

Technical data:

Nominal voltage DIN VDE:	U ₀ /U 300/500 V	
Voltage UL/CSA:	600 V	
Testing voltage:	3000 V	
Min. bending radius		
<i>fixed laying:</i>	4 x d	
<i>flexible application:</i>	7,5 x d	
<i>continuously flexible:</i>	10 x d	
Temperature range	S 670	S 671
<i>fixed laying:</i>	-40/+70 °C	-40/+70 °C
<i>flexible application:</i>	+5/+70 °C	+5/+70 °C
	UL/CSA: up to +80 °C	UL/CSA: up to +75 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2	
Oil resistance:	PVC - acc. to internal standard, see page N/15 PUR - very good	
Attenuation POF measured at 650 nm:	max. 10 dBm / 20 m	
Diameter:	PMMA: 1,0 mm · POF: 2,2 mm	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17	

PUR sheath

no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈kg/km
4 x 1,50	0,16	9,9	57,6	138
5 x 1,50	0,16	10,6	72,0	165
4 x 2,50	0,16	12,3	96,0	207
5 x 2,50	0,16	13,2	120,0	249

each + 2 x POF (polymeric optical fibres)

Other dimensions are possible on request.

PVC sheath

no. of cores x cross section n x mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈kg/km
2 x 1,00	0,16	7,2	19,2	66
3 x 1,00	0,16	8,0	28,8	79
2 x 1,50	0,16	7,7	28,8	80
5 x 1,50	0,16	10,4	72,0	163

each + 2 x POF (polymeric optical fibres)

Other dimensions are possible on request.