

Hybrid Fieldbus Cables



S 670 PUR hybrid field bus control cable, with 2 optical wave guides, suitable for cable tracks

S 671 PVC hybrid field bus control cable, with 2 optical wave guides, suitable for cable tracks

21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

Marking for S 670 6700415:

SAB BRÖCKSKES · D-VIERSEN · S 670 4x1.5mm²+2xPOF

AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

21047 75°C 600V CSA AWM I/II A/B 75°C 600V FT1 FT2 CE

Marking for S 671 6710515:

SAB BRÖCKSKES · D-VIERSEN · S 671 5x1.5mm²+2xPOF

AWM Style 21047 75°C 600V CSA AWM I/II A/B 75°C 600V FT1 FT2 CE



**optical waveguide
+
copper conductors**



Construction:	S 670	S 671
Item numbers:	6700415, 6700515, 6700425, 6700525	6710210, 6710310, 6710215, 6710515
Dimensions:	4 x 1.50 mm ² , 5 x 1.50 mm ² 4 x 2.50 mm ² , 5 x 2.50 mm ²	2 x 1.00 mm ² , 3 x 1.00 mm ² 2 x 1.50 mm ² , 5 x 1.50 mm ²
Conductors:	bare copper strands, extra fine wires	bare copper strands, extra fine wires
Insulation:	PVC, Tl2 acc. to EN 50363-3	PVC, Tl2 acc. to EN 50363-3
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors	
Optical waveguide:	POF (polymeric optical fibers)	POF (polymeric optical fibers)
Color Code POF:	black	black
Stranding:	cores and POF in specially adjusted layering	cores and POF in specially adjusted layering
Wrapping:	non-woven tape	non-woven tape
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1, reinforced wall-thickness
Jacket color:	red lilac (RAL 4001)	silver gray (RAL 7001)
Technical data:	S 670	S 671
Nominal voltage:	U ₀ /U 300/500 V	U ₀ /U 300/500 V
Voltage UL/CSA:	600 V	600 V
Testing voltage: conductor/conductor:	3000 V	3000 V
Min. bending radius: fixed installation: free movement: continuous flex:	4 x O.D. 7.5 x O.D. 10 x O.D.	4 x O.D. 7.5 x O.D. 10 x O.D.
Temperature range: static: flexible:	UL/CSA: up to +80°C -40/+70°C -5/+70°C	UL/CSA: up to +75°C -40/+70°C -5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	very good acc. to EN 50363-10-2 + VDE 0207-363-10-2	acc. to internal standard see page O/29
Attenuation POF measured at 650 nm:	max. 10 dBm / 20 m	max. 10 dBm / 20 m
Diameter:	POF: Center 900/1000 µm - outside 2.2 mm	POF: Center 900/1000 µm - outside 2.2 mm
UL Style:	21060	21047
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30	

S 670: PUR jacket

item no.	dimensions AWG	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 6700415	16 AWG/4c	0.394	10.0	89
▶ 6700515	16 AWG/5c	0.417	10.6	105
▶ 6700425	14 AWG/4c	0.480	12.2	132
▶ 6700525	14 AWG/5c	0.516	13.1	161

each + 2 x POF (polymeric optical fibers)

Other dimensions and colors are available on request

S 671: PVC jacket

item no.	dimensions AWG	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 6710210	18 AWG/2c	0.283	7.2	43
▶ 6710310	18 AWG/3c	0.315	8.0	54
▶ 6710215	16 AWG/2c	0.303	7.7	49
▶ 6710515	16 AWG/5c	0.421	10.7	111

each + 2 x POF (polymeric optical fibers)

Other dimensions and colors are available on request

