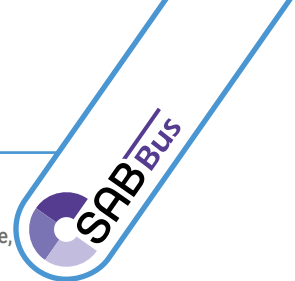


# Industrial Ethernet cables Profinet

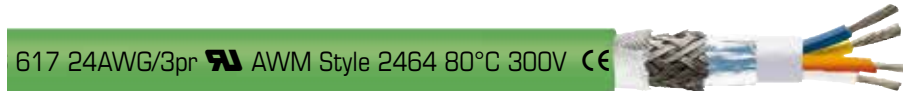


**PN 662** PVC Profinet cable type B for flexible applications

**S PN 668** PUR Profinet cable type C, continuously flexible, suitable for cable tracks

**PN 663** PVC Profinet cable type B for flexible applications with UL recognition

**S PN 669** PUR Profinet cable type C, continuously flexible, suitable for cable tracks with UL recognition



marking example:

SAB BRÖCKSKES · D-VIERSEN · S PN 669 Profinet CAT 5 type C 2x2x22AWG AWM Style 21198 80° 300V CE

Construction:	PN 662 Profinet type B flexible	S PN 668 Profinet type C continuously flexible	PN 663 Profinet type B flexible	S PN 669 Profinet type C continuously flexible
Dimension:	2 x 2 x 22 AWG			
Conductor:	tinned copper strands, fine wires with reference to VDE 0812	tinned copper strands, fine wires	tinned copper strands, fine wires with reference to VDE 0812	tinned copper strands, fine wires
Insulation:	PE, L/MD acc. to EN 50290-2-23	PE	PE, L/MD acc. to EN 50290-2-23	PE
Colour code:	blue, yellow, white, orange			
Stranding:	in layers			
Wrapping:	PETP-foil			
Inner sheath:	thermoplastic material			
Screen:	alu foil and tinned copper braiding			
Wrapping:	—	non-woven tape	—	non-woven tape
Sheath material:	PVC	PUR	PVC	PUR
Sheath colour:	green (similar RAL 6018)			

Technical data:	PN 662 Profinet type B flexible	S PN 668 Profinet type C continuously flexible	PN 663 Profinet type B flexible	S PN 669 Profinet type C continuously flexible
Item number:	0662-2202	0668-2202	0663-2202	0669-2202
Peak operating voltage:	max. 350 V			
Voltage UL:	—		300 V	
Testing voltage core/core:	1500 V		2000 V	
core/screen:	1200 V		2000 V	
Min. bending radius fixed laying:	5 x d	5 x d	5 x d	5 x d
flexible application:	10 x d	10 x d	10 x d	10 x d
continuously flexible:		15 x d		15 x d
Temperature range fixed laying:	-30/+70 °C	-40/+70 °C	UL: up to +80 °C -30/+70 °C	UL: up to +80 °C -30/+70 °C
flexible application:	-5/+70 °C	-30/+70 °C	-5/+70 °C	-20/+70 °C
Halogen-free:	—	acc. to IEC 60754-1 + VDE 0482-754-1	—	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	acc. to internal standard, see chapter N „Technical data“	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	acc. to internal standard, see chapter N „Technical data“	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Characteristic impedance:	100Ω ± 5Ω, fulfils the electrical and transmission requirements with high frequency acc. to EN 50288-2-2 + VDE 0819-2-2 (CAT 5 acc. to EN 50173-1)			
UL Style:	—		20601	21198
Application:	suitable for EtherCAT and EtherNET/IP applications			
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“			

item no.	type	dimension	max. core-ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance at 20°C acc. to VDE 0812 max. Ω/km
06622202	PN 662	2 x 2 x 22 AWG	1,55	6,1	33,9	57	58,0
06682202	S PN 668	2 x 2 x 22 AWG	1,55	6,4	36,7	58	58,0
06632202	PN 663	2 x 2 x 22 AWG	1,55	6,5	36,2	66	58,0
06692202	S PN 669	2 x 2 x 22 AWG	1,55	6,5	36,7	69	58,0

Other dimensions and colours are possible on request.



Customized plug-and-play solutions from cable manufacturing to customized cable assembly from a single source