

INDUSTRIAL ETHERNET CABLES PROFINET

PN 662 Profinet type B, for flexible applications
PN 663 Profinet type B, for flexible applications with UL recognition

S PN 668 Profinet type C, continuously flexible
S PN 669 Profinet type C, continuously flexible with UL recognition



VIERSEN · S PN 668 Profinet CAT 5 Typ C 2x2x22AWG

Marking for S PN 668:
 SAB BRÖCKSKES · D-VIERSEN · S PN 668 Profinet CAT 5 Typ C 2x2x22AWG CE



Construction:	PN 662 Profinet type B <i>flexible</i>	S PN 668 Profinet type C <i>continuously flexible</i>	PN 663 Profinet type B <i>flexible</i>	S PN 669 Profinet type C <i>continuously flexible</i>
Dimension:	2 x 2 x 22 AWG			
Conductor:	tinned copper strands, fine wires acc. to VDE 0812	tinned copper strands, extra fine wires	tinned copper strands, fine wires acc. to VDE 0812	tinned copper strands, extra fine wires
Insulation:	PE, L/MD acc. to DIN VDE 0819 part 103	PE	PE, L/MD acc. to DIN VDE 0819 part 103	PE
Colour code:	blue, yellow, white, orange			
Stranding:	in layers			
Wrapping:	PETP foil			
Inner sheath:	thermoplastic material			
Wrapping:	alu foil			
Screen:	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 <i>flexible</i>	S PN 668 Profinet type C <i>continuously flexible</i>	PN 663 Profinet type B <i>flexible</i>	S PN 669 Profinet type C <i>continuously flexible</i>
Item number:	0662-2202	0668-2202	0663-2202	0669-2202
Peak operating voltage VDE:	max. 350 V			
Voltage UL:	---	---	300 V	
Testing voltage:	core/core 1500 V - core/screen 1200 V			
Temperature range VDE fixed laying: flexible application:	- 30°C / + 70°C - 5°C / + 70°C	- 40°C / + 70°C - 30°C / + 70°C	UL: up to + 80°C - 30°C / + 70 °C - 5°C / + 70 °C	UL: up to + 80°C - 30°C / + 70 °C - 20°C / + 70 °C
Min. bending radius fixed laying: flexible application: continuously flexible:	5 x d 10 x d	5 x d 10 x d 15 x d	5 x d 10 x d	5 x d 10 x d 15 x d
Characteristic impedance:	100Ω ± 5Ω, accomplishes the electrical and transmission requirements with high frequency acc. to EN 50288-2-2 (CAT 5 acc. to EN 50173-1)			
Halogen-free:	---	acc. to DIN VDE 0472 part 815 + IEC 60754-1	---	acc. to DIN VDE 0472 part 815 + IEC 60754-1
Oil resistance:	acc. to internal standard see page N/15	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	acc. to internal standard see page N/15	acc. to internal standard see page N/15
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page N/17			

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

Other dimensions and colours are possible on request.