

with
"Fast Connect"
construction

INDUSTRIAL ETHERNET CABLES CAT 5



S PN 665 PUR Profinet type C, continuously flexible

S PN 667 PUR Profinet type C, continuously flexible with UL recognition and CSA approval



Marking for S PN 665:

SAB BRÖCKSKES · D-VIERSEN · S PN 665 Profinet CAT 5 Typ C 2x2x22AWG CE

Industrial Ethernet is a young and quickly developing network technology. Ethernet with the worldwide accepted TCP/IP (Transmission Control Protocol/Internet Protocol) will be the future connection to the well established field bus or sensor / actuator level. Depending on the application, we are able to offer today CAT 5 and CAT 6 cable solutions for flexible and continuous flexible use, for chemical and thermal stress as well as special cable constructions for reeling purpose and robot operation.

item no.	type	dimensons AWG	max. cond.-ø mm	nominal outer-ø		cable weight ≈ lbs/mft	ohmic resistance at 20°C acc. to VDE 0812 max. Ω/km
				inch ± 0.008	mm ± 0.2		
▶ 06654223	S PN 665	22 (= 7/30)/4c	1.55	0.256	6.5	39	58.8
▶ 06672202	S PN 667	22 (= 7/30)/4c	1.55	0.256	6.5	40	58.8

Other dimensions and colors are possible on request.

Construction:	S PN 665 type C <i>continuously flexible</i>	S PN 667 type C <i>continuously flexible</i>
	Dimension:	2 x 2 x 22 AWG
Conductor:	tinned copper strands, 7 wires	
Insulation:	PE	
Color code:	blue, yellow, white, orange	
Stranding:	in layers	
Wrapping:	PETP foli	
Inner jacket:	thermoplastic material	
Wrapping:	alu foil	
Screen:	tinned copper braiding	
Wrapping:	non-woven tape	
Outer jacket:	PUR	
Jacket color:	green (similar RAL 6018)	

Technical data:	S PN 665 Profinet type C <i>continuously flexible</i>	S PN 667 Profinet type C <i>continuously flexible</i>
	Item number:	0665-4223
Peak operating voltage VDE:	max. 350 V	
Voltage UL/CSA:	---	300 V
Testing voltage:	conductor/conductor 1500 V - conductor/screen 1200 V	
Temperature range VDE		UL/CSA: up to + 80°C
fixed laying:	- 40°C / + 70°C	- 30°C / + 70 °C
flexible application:	- 30°C / + 70°C	- 20°C / + 70 °C
Min. bending radius		
fixed laying:	5 x O.D.	
flexible application:	10 x O.D.	
continuously flexible:	15 x O.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	
Oil resistance:	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page N/28	



short assembling time
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construction

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