

Industrial Ethernet Cables

S PN 667 PUR Profinet type C, continuous flex with UL recognition and CSA approval

S PN 669 PUR Profinet type C, continuous flex suitable for cable tracks with UL recognition



Marking for S PN 669 6692202:

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



Construction:	S PN 667 Profinet type C continuous flex	S PN 669 Profinet type C continuous flex
Item numbers:	6672202 / 6679001	6692202
Dimensions:	2 x 2 x 22 AWG	2 x 2 x 22 AWG
Conductor:	tinned copper strands, 7 wires or 19 wires	tinned copper strands, extra fine wires
Insulation:	special polymer	PE
Color code:	blue, yellow, white, orange	blue, yellow, white, orange
Stranding:	in layers	in layers
Wrapping:	PETP foil	PETP foil
Inner jacket:	thermoplastic material	thermoplastic material
Wrapping:	alu foil	alu foil
Shielding:	tinned copper braiding	tinned copper braiding
Wrapping:	non-woven tape	non-woven tape
Jacket material:	PUR	PUR
Jacket color:	green (similar RAL 6018)	green (similar RAL 6018)

Technical data:	PN 667 Profinet type C continuous flex	S PN 669 Profinet type C continuous flex
Peak operating voltage:	max. 350 V	max. 350 V
Voltage:	UL/CSA: 300 V	UL: 300 V
Testing voltage: conductor/conductor: conductor/shielding:	2000 V 2000 V	2000 V 2000 V
Min. bending radius: fixed installation: free movement: continuous flex:	5 x O.D. 10 x O.D. 15 x O.D.	5 x O.D. 10 x O.D. 15 x O.D.
Temperature range VDE: static: flexible:	UL/CSA: up to +80°C -40/+70°C -40/+70°C	UL: up to +80°C -30/+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:	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
Characteristic impedance:	100Ω ± 5Ω, accomplishes 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:	21198	21198
Application:	suitable for EtherCAT and EtherNET/IP applications	—
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30	

item no.	type	dimensions AWG	max. cond.-ø mm	inch	outer-ø mm	cable weight ≈lbs/mft	ohmic resistance at 20°C to VDE 0812 max. Ω/km
▶ 6672202	S PN 667	22 (≈ 7/30)/4c	1.55	0.256 ± 0.008	6.5 ± 0.2	40	58.8
▶ 6692202	S PN 669	22 (≈ 19/34)/4c	1.55	0.272 ± 5%	6.9 ± 5%	46	58.0
For extreme bending stress - conductor construction 19 wires:							
▶ 6679001	S PN 667	22 (≈ 19/34)/4c	1.55	0.256 ± .008	6.5 ± 0.2	39	58.8

Other dimensions and colors are available on request



**short assembling time
by "Fast Connect"
construction (7 wires)**

Also possible as a
cable assembly with
M12 or RJ 45 plug



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