

# Industrial Ethernet Cables CAT 5



**RT PN 668** PUR Profinet cable, suitable for robots

**PN 668** PUR Profinet cable type R, suitable for robots with UL recognition

2x2x22AWG 0668-9039 AWM Style 21198 80° 300V



Marking for PN 668 06689039:

SAB BRÜCKSKES · D-VIERSEN · PN 668 Typ R 2x2x22AWG 0668-9039 AWM Style 21198 80° 300V



<b>Construction:</b>	<b>RT PN 668</b> Profinet <i>suitable for robots</i>	<b>RT PN 668</b> Profinet type R <i>suitable for robots</i>
<b>Dimension:</b>	2 x 2 x 22 AWG	
<b>Conductor:</b>	tinned copper strands, extra fine wires	
<b>Insulation:</b>	special polymer	
<b>Colour code:</b>	blue, yellow, white, orange	
<b>Stranding:</b>	star quad	cores twisted to pairs and pairs together
<b>Wrapping:</b>	tape	non-woven tape
<b>Screen:</b>	alu foil and tinned copper braiding	tinned copper braiding
<b>Wrapping:</b>	non-woven tape	special non-woven tape
<b>Sheath material:</b>	PUR	
<b>Sheath colour:</b>	green (similar RAL 6018)	

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<b>Technical data:</b>	<b>RT PN 668</b> Profinet <i>suitable for robots</i>	<b>RT PN 668</b> Profinet type R <i>suitable for robots</i>
<b>Item number:</b>	0668-9001	0668-9039
<b>Peak operating voltage:</b>	max. 350 V	max. 30 V
<b>Voltage UL:</b>	---	300 V
<b>Testing voltage</b> core/core: core/screen:	1500 V 1200 V	2000 V 2000 V
<b>Min. bending radius</b> fixed laying: flexible application:	10 x d	3 x d 10 x d
<b>Temperature range</b> fixed laying: flexible application:	-40/+70 °C -30/+70 °C	<b>UL:</b> up to +80 °C -40/+70 °C -30/+70 °C
<b>Torsion angle:</b>	up to ±360°/m	
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1	
<b>Oil resistance:</b>	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
<b>Characteristic impedance:</b>	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to EN 50288-2-2 + VDE 0819-2-2 (CAT 5 acc. to EN 50173-1)	
<b>UL Style:</b>	---	21198
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

item no.	type	dimension	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈kg/km	ohmic resistance at 20°C acc. to VDE 0812 max. Ω/km
06689001	RT PN 668	2 x 2 x 22 AWG	7,0	36,3	62	58,8
06689039	PN 668	2 x 2 x 22 AWG	7,8	36,7	68	58,8

Other dimensions and colours are possible on request.

Also possible  
as harnessed cable  
with M12 or RJ 45 plug!



www.sab-cable.com