

# Industrial Ethernet Cables

- PN 678** PVC Ethernet cable type A for fixed installation, twisted pairs  
**PN 679** PVC Ethernet cable type B for flexible applications, twisted pairs  
**S PN 681** PUR paired Ethernet cable type C for continuous flex suitable for cable tracks

D-VIERSEN · S PN 681 CAT 5 Typ C 4x2x26AWG 



Marking for S PN 681 6812604:

SAB BRÖCKSKES · D-VIERSEN · S PN 681 CAT 5 Type C 4x2x26AWG 

<b>Construction:</b>	<b>PN 678</b> Ethernet CAT 5 type A <i>fixed installation</i>	<b>PN 679</b> Ethernet CAT 5 type B <i>flexible</i>	<b>S PN 681</b> Ethernet CAT 5 type C <i>continuous flex</i>
<b>Item numbers:</b>	6782604	6792604	6812604
<b>Dimensions:</b>	4 x 2 x 26 AWG	4 x 2 x 26 AWG	4 x 2 x 26 AWG
<b>Conductor:</b>	tinned copper wire	tinned copper strands, fine wires with reference to VDE 0812	tinned copper strands, extra fine wires
<b>Insulation:</b>	PE, L/MD acc. to EN 50290-2-23	PE, L/MD acc. to EN 50290-2-23	SABIX®
<b>Color code:</b>	white conductors with numbers 1-4 + (blue, orange, green, brown)	white conductors with numbers 1-4 + (blue, orange, green, brown)	white conductors with numbers 1-4 + (blue, orange, green, brown)
<b>Stranding:</b>	twisted to pairs & paired together	twisted to pairs & paired together	twisted to pairs & paired together
<b>Wrapping:</b>	alu foil	PETP foil + alu foil	non-woven tapes + alu foil
<b>Shielding</b>	tinned copper braiding	tinned copper braiding	tinned copper braiding
<b>Wrapping:</b>	---	non-woven tape	non-woven tape
<b>Jacket material:</b>	PVC	PUR	PUR
<b>Jacket color:</b>	green (similar RAL 6018)	green (similar RAL 6018)	green (similar RAL 6018)

<b>Technical data:</b>	<b>PN 678</b> Ethernet cable type A <i>fixed installation</i>	<b>PN 679</b> Ethernet cable type B <i>flexible</i>	<b>S PN 681</b> Ethernet cable type C <i>continuous flex</i>
<b>Peak operating voltage:</b>	max. 350 V	max. 350 V	max. 350 V
<b>Testing voltage:</b> conductor/conductor: conductor/shielding:	1500 V 1200 V	1500 V 1200 V	1500 V 1200 V
<b>Min. bending radius</b> fixed installation: free movement: continuous flex:	5 x O.D. — —	5 x O.D. 10 x O.D. —	5 x O.D. 10 x O.D. 12 x O.D.
<b>Temperature range DIN VDE:</b> static: flexible:	-30/+70°C -5/+70°C	-40/+70°C -40/+70 °C	-40/+90°C -30/+90°C
<b>Halogen-free:</b>	---	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Oil resistance:</b>	acc. to internal standard see page O/29	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Characteristic impedance:</b>	100Ω ± 10Ω, 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)		
<b>Application:</b>	suitable for EtherCAT and EtherNET/IP applications		
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see page O/30		

item no.	type	dimensions AWG	max. cond.-ø mm	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft	ohmic resistance at 20°C acc. to VDE 0812 max. Ω/km
▶ 6782604	PN 678	26/4pr	1.10	0.244	6.2	32	150
▶ 6792604	PN 679	26 (≈ 7/34)/4pr	1.05	0.272	6.9	36	148
▶ 6812604	S PN 681	26 (≈ 19/38)/4pr	1.10	0.283	7.2	40	145

Other dimensions and colors are available on request

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