

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 CE



Marking for S PN 681 6812604:

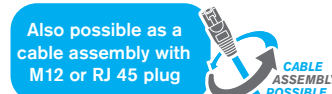
SAB BRÖCKSKES · D-VIERSEN · S PN 681 CAT 5 Type C 4x2x26AWG CE

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

Technical data:	PN 678 Ethernet cable type A <i>fixed installation</i>	PN 679 Ethernet cable type B <i>flexible</i>	S PN 681 Ethernet cable type C <i>continuous flex</i>
Peak operating voltage:	max. 350 V	max. 350 V	max. 350 V
Testing voltage: conductor/conductor: conductor/shielding:	1500 V 1200 V	1500 V 1200 V	1500 V 1200 V
Min. bending radius 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.
Temperature range DIN VDE: static: flexible:	-30/+70°C -5/+70°C	-40/+70°C -40/+70 °C	-40/+90°C -30/+90°C
Halogen-free:	---	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	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
Characteristic impedance:	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)		
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	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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