

INDUSTRIAL ETHERNET CABLES CAT 5

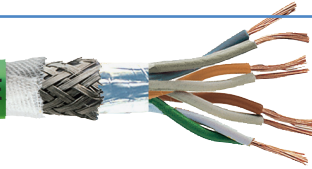


PN 678 type a, for fixed installation

S PN 681 type C, continuously flexible

PN 679 type B, for flexible applications

ERSEN · PN 679 CAT 5 Typ B 4x2x26AWG CE



Marking for PN 679:

SAB BRÖCKSKES · D-VIERSEN · PN 679 CAT 5 Typ B 4x2x26AWG 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 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	nominal outer- ϕ inch	mm	cable weight \approx lbs/ft	ohmic resistance at 20°C acc. to VDE 0812 max. Ω /km
▶ 06782602	PN 678	26 AWG/4c	0.244	6,2	32	150
▶ 06792602	PN 679	26 AWG/4c	0.291	7,4	38	148
▶ 06812602	S PN 681	26 AWG/4c	0.283	7,2	38	145

Other dimensions and colors are possible on request.

Construction:	PN 678 type A <i>fixed laying</i>	PN 679 type B <i>flexible</i>	S PN 681 type C <i>continuously flexible</i>
Dimension:	4 x 2 x 26 AWG		
Conductor:	tinned copper wire	tinned copper strands, fine wires acc. to VDE 0812	tinned copper strands, extra fine wires
Insulation:	PE, L/MD acc. to DIN VDE 0819 part 103	PE, L/MD acc. to DIN VDE 0819 part 103	SABIX® 151
Color code:	white conductors with numbers 1 - 4 (+ blue, orange, green, brown)		
Stranding:	twisted pairs		
Wrapping:	alu foil	alu foil	non-woven tapes + alu foil
Screen:	tinned copper braiding		
Wrapping:	---	non-woven tape	non-woven tape
Outer sheath:	PVC	PUR	PUR
Sheath color:	green (similar RAL 6018)		

Technical data:	PN 678 type A <i>fixed laying</i>	PN 679 type B <i>flexible</i>	S PN 681 type C <i>continuously flexible</i>
Item number:	0678-2604	0679-2604	0681-2604
Peak operating voltage VDE:	max. 350 V		
Testing voltage:	conductor/conductor 1500 V, conductor/screen 1200 V		
Temperature range VDE fixed laying: flexible application:	- 30°C / + 70°C - 5°C / + 70°C	- 40°C / + 70°C - 40°C / + 70°C	- 40°C / + 90°C - 30°C / + 90°C
Min. bending radius fixed laying: flexible application: continuously flexible:	5 x d	5 x d 10 x d	5 x d 10 x d 12 x d
Characteristic impedance:	100 Ω \pm 10 Ω , accomplishes the electrical and transmission requirements with high frequency acc. to EN 50288-2-2 (CAT 5 acc. to EN 50173-1)		
Zero halogen:	---	acc. to DIN VDE 0472 part 815 + IEC 60754-1	acc. to DIN VDE 0472 part 815 + IEC 60754-1
Oil resistance:	acc. to internal standard see page N/25	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24 see page N/25		

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