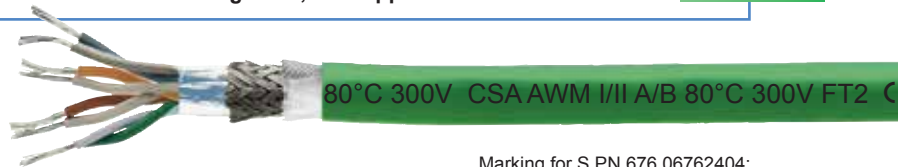


INDUSTRIAL ETHERNET CABLES CAT 5 AND 5e

PN 675 Profinet type B, for flexible applications with UL recognition, PLTC 600V, CAT 5e

S PN 676 Profinet type C, continuous flex with UL recognition, CSA approval





Marking for S PN 676 06762404:

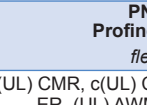
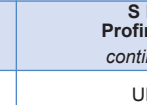
SAB BRÖCKSKES · D-VIERSEN · S PN 676 CAT 5 Typ C 4x2x24AWG x AWM Style 21198 80°C 300V CSA AWM I/II A/B 80°C 300V FT2 CE

Industrial Ethernet is a 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, CAT 6 and CAT 7 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	dimensions AWG	nominal outer- ϕ inch	mm	cable weight \approx lbs/mft	ohmic resistance at 20°C acc. to VDE 0812 max. Ω /km
▶ 6752202	PN 675	22 (\approx 7/30)/2pr	0.310	7.9	45	—
▶ 6752204	PN 675	22 (\approx 7/30)/4pr	0.330	8.4	59	—
▶ 06762404	S PN 676	24 (\approx 19/36)/4pr	0.327	8.3	53	145

Other dimensions and colors are possible on request.

Construction:	 PN 675 Profinet type B <i>flexible</i>	 S PN 676 Profinet type C <i>continuous flex</i>
Item number:	6752202	06762604
Dimension:	2 x 2 x 22 AWG	4 x 2 x 24 AWG
Conductor:	tinned copper strands, fine wires	
Insulation:	Polyolefin	PFA/PP
Color code:	orange & white/orange stripe green & white/green stripe	blue & white/blue stripe orange & white/orange stripe green & white/green stripe brown & white/brown stripe
Stranding:	in layers	
Wrapping:	—	
Screen:	aluminum/polyester + 24 AWG (7/32) tinned copper drain wire	
Wrapping:	—	
Outer jacket:	PVC	PUR
Jacket color:	teal	green (similar RAL 6018)

Technical data:	 PN 675 Profinet type B <i>flexible</i>	 S PN 676 Profinet type C <i>continuous flex</i>
Approvals:	(UL) CMR, c(UL) CMG 75C, (UL) PLTC - ER, (UL) AWM 2570 600V 80C	UL, CSA
Peak operating voltage VDE:	max. 350 V	
Voltage: UL/CSA:	UL: 600 V	UL/CSA: 300 V
Testing voltage:	conductor/conductor 1500 V, conductor/screen 1200 V	
Temperature range VDE fixed laying: flexible application:	UL: up to + 80°C - 40°C / + 80°C - 25°C / + 80°C	UL/CSA: up to + 80°C - 40°C / + 90°C - 30°C / + 90°C
Min. bending radius fixed laying: flexible application: continuous flex:	5 x O.D. 10 x O.D.	5 x O.D. 10 x O.D. 12 x O.D.
Characteristic impedance:	100 Ω \pm 15 Ω (0.722-100.0 MHz)	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)
Transmission performance:	1 - 250 MHz	—
Zero halogen:	—	acc. to DIN VDE 0472 part 815 + IEC 60754-1
Oil resistance:	oil resistance I	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
UV resistance:	yes	—
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page N/28	

E-mail: info@sabcable.com



Web site: www.sabcable.com