

INDUSTRIAL GIGABIT ETHERNET CABLES CAT 6



GE 691 CAT 6 Gigabit Ethernet cable, for flexible applications

S GE 696 CAT 6 Gigabit Ethernet cable, continuously flexible

CAT6 Gigabit Ethernet Cable 4 x 2 x 26 AWG CE



Marking for GE 691:

SAB BRÖCKSKES · D-VIERSEN · GE 691 CAT6 Gigabit Ethernet Cable 4 x 2 x 26 AWG 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-ø inch	mm	cable weight ≈ lbs/mft	ohmic resistance at 20°C acc. to VDE 0812 max. Ω/km
▶ 06912604	GE 691	26 AWG/4c	0.354	9.0	49	145.0
▶ 06962604	S GE 696	26 AWG/4c	0.354	9.0	50	145.0

Other dimensions and colors are possible on request.

Construction:	GE 691 <i>for flexible applications</i>	S GE 696 <i>continuously flexible</i>
Dimension:	4 x 2 x 26 AWG	
Conductor:	tinned copper strands, fine wires	tinned copper strands, extra fine wires
Insulation:	PE	
Color code:	white conductors with consecutive numbers 1 - 4 (+ blue, orange, green, brown)	
Stranding:	twisted to pairs / pairs wrapped with PETP foil and alu foil	
Wrapping:	non-woven tape	
Screen:	alu foil + tinned copper braiding	
Wrapping:	non-woven tape	
Outer sheath:	PUR	
Sheath color:	green (similar RAL 6018)	

Technical data:	GE 691 <i>for flexible applications</i>	S GE 696 <i>continuously flexible</i>
Item number:	0691-2604	0696-2604
Peak operating voltage VDE:	max. 350 V	
Voltage UL:	---	300 V
Testing voltage:	conductor/conductor 1500 V - conductor/screen 1200 V	
Temperature range VDE fixed laying: flexible application:	- 40°C / + 70°C - 30°C / + 70°C	
Min. bending radius fixed laying: flexible application: continuously flexible:	5 x d 10 x d	5 x d 10 x d 15 x d
Characteristic impedance (1-100 MHz):	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-5-2	
Zero halogen:	acc. to DIN VDE 0472 part 815 + IEC 60754-1	
Oil resistance:	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/28	

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