

SPECIAL INDUSTRIAL GIGABIT ETHERNET CABLES CAT 6

S GE 696 HT high temperature, CAT 6 Gigabit Ethernet cable, for flexible applications

RT GE 696 Hybrid CAT 6 Gigabit Ethernet cable, suitable for robots



S GE 696 HT CAT6 Gigabit Ethernet Cable 4 x 26

Marking for S GE 696 HT:

SAB BRÖCKSKES · D-VIERSEN · S GE 696 HT 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 and CAT 6 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	no. of conductors	cross section AWG	nominal outer-ø max. inch	mm	cable weight ≈ lbs/mft	ohmic resistance at 20°C acc. to VDE 0812 max. Ω/km
▶ 36962604	S GE 696 HT	8	26 (≈ 19/38)	0.370	9.4	71	145.0
▶ 06969002	RT GE 696 Hybrid	12	26 (≈ 19/38) 1.0 mm ² (≈ 30/32)	0.496	12.6	128	26 (≈ 18/38): 145.0 1.0mm ² : 19.5

Other dimensions and colors are possible on request.

Construction:	S GE 696 HT <i>for flexible applications</i>	RT GE 696 Hybrid <i>suitable for robots</i>
Dimension:	4 x 2 x 26 AWG	4 x 2 x 26 AWG + 1.0 mm ²
Conductor:	tinned copper strands, extra fine wires	bare copper strands, extra fine wires
Insulation:	PE	26 AWG: FEP / 1,0 mm ² : TPE
Color code:	white conductors with consecutive numbers 1 - 4 (+ blue, orange, green, brown)	26 AWG: white-blue/blue, white-orange/orange, white-green/green, white-brown/brown, 1,0 mm ² : black conductors with consecutive numbers acc. to EN 50334
Stranding:	conductors twisted to pairs	
Wrapping:	twisted to pairs with alu foil + overall PTFE foil	26 AWG pairwise with alu foil
Screen:	alu foil + tinned copper braiding	pairs 26 AWG: tinned copper braiding
Wrapping:	---	26 AWG (pairs white-green/green and white-blue/blue): PTFE foil
Inner jacket:	---	26 AWG (pairs white-orange/orange and white-brown/brown): TPE, black (similar RAL 9005)
Stranding:	---	in layers
Wrapping:	---	non-woven tape
Outer jacket:	Special Besilen®	PUR
Jacket color:	green (similar RAL 6018)	black (similar RAL 9005)

Technical data:	S GE 696 HT <i>for flexible applications</i>	RT GE 696 Hybrid <i>suitable for robots</i>
Item number:	3696-2604	0696-9002
Peak operating voltage VDE:	max. 350 V	26 AWG: max. 350 V
Nominal voltage:	---	1,0 mm ² : 300/500 V
Testing voltage:	conductor/conductor 1500 V conductor/screen 1200 V	conductor/conductor 26 AWG: 1500 V 1,0 mm ² : 2000 V conductor/screen 26 AWG: 1200 V
Temperature range VDE fixed laying: flexible application: short-time use:	- 40°C / + 180°C - 25°C / + 180°C + 250°C	- 50°C / + 90°C - 40°C / + 90°C
Min. bending radius fixed laying: flexible application: continuously flexible:	7,5 x O.D. 10 x O.D. 15 x O.D.	5 x O.D. 10 x O.D.
Characteristic impedance (1-250 MHz):	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-5-2	26 AWG: 100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-5-2
Oil resistance:	---	TMPU acc. to DIN VDE 0207 part 363-10-2
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page N/28	