

1412819

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Assembled VARAN cable, shielded, stranded, black, straight M12 plug, SPEEDCON, 6-pos. to RJ45 plug/IP20, QUICKON, length: 5 m

Your advantages

- · Perfect for industrial applications
- · Perfect for office, building, and protected industrial applications (e.g., in control cabinets)
- · Compact angle

Commercial data

Item number	1412819
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Product key	ABNPAA
GTIN	4055626017495
Weight per piece (including packing)	384.2 g
Weight per piece (excluding packing)	386.447 g
Country of origin	PL



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Technical data

Product properties

Product type	Data cable preassembled
Sensor type	VARAN
Number of positions	6
No. of cable outlets	1
Shielded	yes
Coding	A
Cable outlet	straight

Insulation characteristics

Overvoltage category	I
Degree of pollution	1

Electrical properties

Rated voltage (III/3)	72 V (DC)
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	30 V
Nominal current I _N	2 A
Transmission medium	Copper
Transmission speed	100 Mbps
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Material specifications

Color	black
Material	PC
	PA
Flammability rating according to UL 94	V0
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated
Outer sheath, material	SANTOPRENE halogen-free

Connector

Connection 1

Туре	Plug straight M12
Coding type	A
Insertion/withdrawal cycles	≥ 100
Degree of protection	IP20



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Nominal voltage, cable

Test voltage Core/Core
Test voltage Core/Shield

Minimum bending radius, fixed installation

Minimum bending radius, flexible installation

Smallest bending radius, fixed installation

Smallest bending radius, movable installation

Dynamic load capacity (bending)

	Туре	Plug straight RJ45
	Insertion/withdrawal cycles	≥ 750
	Degree of protection	IP20
Са	ble/line	
	Cable length	5.00 m
,	/ARAN PVC [971]	
	UL AWM Style	2461 (80°C/300 V)
	Number of positions	6
	Shielded	yes
	Cable type	VARAN PVC [971]
	Conductor structure	1x2x24/32+2x2x24/19, SF/UTP
	Signal runtime	5.3 ns/m
	Conductor structure signal line	19x 0.13 mm
	AWG signal line	24
	Conductor structure, voltage supply	32x 0.10 mm
	AWG power supply	24
	Conductor cross section	2x 2x 0.25 mm² (Signal line)
		2x 0.25 mm² (Power supply)
	Wire diameter incl. insulation	1.25 mm (Signal line)
		1.4 mm (Power supply)
	External cable diameter	7.00 mm ±0.2 mm
	Outer sheath, material	PVC
	External sheath, color	black
	Conductor material	Bare Cu litz wires
	Material wire insulation	PE
	Single wire, color	blue-yellow, green-orange, red-blue
	Thickness, outer sheath	0.90 mm
	Twisted pairs	2 cores to the pair
	Overall twist	3 pairs with filler elements to the core
	Optical shield covering	85 %
	Max. conductor resistance	78 Ω/km (at 20 °C)
	Insulation resistance	≥ 500 MΩ*km (at 20 °C)
	Working capacitance	approx. 57 nF (at 1 kHz)

≤ 80 V 1000 V

4 x D 8 x D

28 mm

56 mm

Max. bending cycles: 200000, Bending radius: 5 x D

1000.00 V



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Flame resistance	according to IEC 60332-1-2
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C
Ambient temperature (operation)	-40 °C 80 °C
Ambient temperature (installation)	-40 °C 80 °C

Environmental and real-life conditions

Ambient conditions

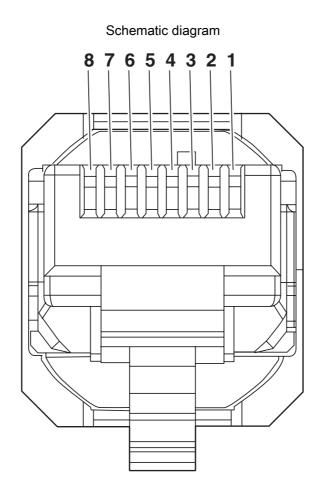
Degree of protection	IP20
	IP20
Ambient temperature (operation) (Cable, fixed installation)	0 °C 50 °C (for installation)
	-20 °C 80 °C (cable, fixed installation)
Ambient temperature (operation) (male connector/female connector)	-25 °C 90 °C (Plug / socket)



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Drawings





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Classifications

ECLASS

	ECLASS-13.0	27060307
	ECLASS-15.0	27440103
	-11.4	
ETIM		
	ETIM 9.0	EC001855
UNSPSC		
	UNSPSC 21.0	26121600



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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