

Network cable - SAC-8P-500,0-94D - 1404863

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Network cable, Ethernet CAT5 (1 Gbps), 8-position, PVC, black, shielded, cable length: 500 m



Ethernet

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 725316
GTIN	4046356725316

Technical data

Dimensions

Length of cable	500 m
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General

Rated voltage	30 V AC
	30 V DC
Number of positions	8
Signal type/category	Ethernet CAT5, 1 Gbps

Cable

Cable type	Ethernet
Cable type (abbreviation)	94D
UL AWM style	2464 (80°C/300 V)
Cable structure	4x2xAWG26/7; SF/UTP
Conductor cross section	4x 2x 0.14 mm ²
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	0.98 mm ±0.05 mm
Wire colors	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown

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Technical data

Cable

Twisted pairs	2 cores to the pair
Overall twist	4 pairs, twisted
Shielding	Aluminum-lined polyester foil, tinned copper braided shield
Optical shield covering	85 %
External sheath, color	black RAL 9005
Outer sheath thickness	0.8 mm
External cable diameter D	6.4 mm $\pm$ 0.2 mm
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Tensile strength GRP	80 N
Outer sheath, material	PVC (reinforced) UV-resistant
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$
Conductor resistance	$< 140 \text{ }\Omega/\text{km}$
Cable capacity	$< 56 \text{ nF/km}$
Wave impedance	$100 \text{ }\Omega \pm 15 \text{ }\Omega$ (at 4 ... 100 MHz)
Signal speed	0.6 c
Nominal voltage, cable	72 V DC
	300 V AC
Test voltage Core/Core	2500 V DC (2 s)
Test voltage Core/Shield	2500 V DC (2 s)
Flame resistance	According to VW-1
Resistance to oil	according to IEC 60811-2-1
Other resistance	UV resistant According to UL 1581, Section 1200
Ambient temperature (operation)	-40 °C ... 80 °C

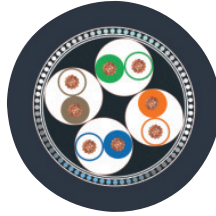
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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Cable cross section



Ethernet [94D]

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