VS-PNRJ45-PNRJ45-93C-2,0 - Patch cable

1418387

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PROFINET patch cable

PROFINET patch cable, shielded, star quad, 22 AWG stranded (19-wire), green, straight RJ45 connector / IP20, to straight RJ45 connector / IP20, length: 2 m

Commercial data

Item number	1418387
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABA
GTIN	4046356534611
Weight per piece (including packing)	152 g
Weight per piece (excluding packing)	141.96 g
Customs tariff number	85444210
Country of origin	PL

Technical data

Product properties

Product type	Data cable preassembled
Product family	RJ45 INDUSTRIAL PN4 CAT5
Number of positions	4
No. of cable outlets	1
Shielded	yes
Cable outlet	straight

Insulation characteristics

Degree of pollution	1

Interfaces

Signal type/category	PROFINET CAT5 (IEC 11801:2002), 100 Mbps

Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1.75 A
Transmission medium	Copper
Transmission speed	100 Mbps
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 750

Material specifications

Flammability rating according to UL 94	V2
Housing material	PA 6.6
Contact material	CuSn
Contact surface material	Ni/Au

Connector

Connection 1

Type	Plug straight RJ45 / IP20
Number of positions	4
Shielded	yes
Degree of protection	IP20

Connection 2

Type	Plug straight RJ45 / IP20
Number of positions	4
Shielded	yes

Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

Cable/line

Cable length	2 m

PROFINET drag chain CAT5 [93C]

Number of positions	4
Shielded	yes
Cable type	PROFINET drag chain CAT5 [93C]
Conductor structure	1x4xAWG22/19, S/TQ
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross-section	4x 0.38 mm²
Wire diameter incl. insulation	1.5 mm 0.1 mm
External cable diameter	6.50 mm
Outer sheath, material	PUR
External sheath, color	green RAL 6018
Conductor material	Tin-plated Cu litz wires
Single wire, color	white, yellow, blue, orange
Wave impedance	100 Ω ±15 Ω (at 1 ... 100 MHz)
Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 60 mm, Traversing rate: 3 m/s, Acceleration: 3 m/s²

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
	IP20
Ambient temperature (operation) (Plug)	-25 °C ... 80 °C

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

ETIM 10.0	EC002599

UNSPSC

UNSPSC 21.0	26121600

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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