

1113299

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Patch cable, degree of protection: IP20, cable length: 1 m, number of positions: 4, 100 Mbps, CAT5, material: PP, connection method: Pierce connection, cable outlet: top, PROFINET

Your advantages

- · Compact angle
- · Perfect for industrial applications
- · Worldwide approval with CE, UL, WEEE, and EAC
- · Secure connection and disconnection with reliable locking clip protection
- · Ideal EMC properties, thanks to 360° shielding
- · Simultaneous power transmission with PoE++
- · Resistant to shock and vibrations, thanks to robust molding
- High-speed data transmission with up to 100 Mbps (CAT5)
- Compact angle

Commercial data

Item number	1113299
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABA
GTIN	4063151036669
Weight per piece (including packing)	92.9 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444210
Country of origin	PL



1113299

https://www.phoenixcontact.com/us/products/1113299

Technical data

Product properties

Product type	Data cable preassembled
Sensor type	PROFINET
Number of positions	4
Shielded	yes
Cable outlet	top
Insulation characteristics	
Overvoltage category	1
Degree of pollution	2

Electrical properties

Rated voltage (III/2)	72 V
Rated current	1.75 A
Insulation resistance	> 1 TΩ
Contact resistance	< 20 mΩ
Transmission characteristics (category)	CAT5
Transmission speed	100 Mbps

Mechanical properties

Mechanical data

Insertion force per signal contact	50.00 N
Extraction force per signal contact	30 N

Material specifications

Flammability rating according to UL 94	V2
Contact material	CuSn6
Contact surface material	Ni/Au
Contact carrier material	PC
Housing material	PP

Dimensions

Width	13.8 mm
Height	31.2 mm
Length	34 mm

Connection data

Connection	tochnology
Connection	technology

Connection method	Pierce connection
Conductor connection	
Connection method	Pierce connection



1113299

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Connector

Connection 1

Туре	Plug top RJ45
Shielded	yes
Handle color	black
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20
Number of positions	4
Insertion/withdrawal cycles	750

Connection 2

Туре	Plug top RJ45
Insertion/withdrawal cycles	≥ 750
Number of positions	4
Degree of protection	IP20

Cable/line

Cable length	1.00 m

PROFINET PVC stranded CAT5 [93B]

Dimensional drawing



Shielded	yes
UL AWM Style	21694
Cable weight	67 kg/km
Cable type	PROFINET PVC stranded CAT5
Short symbol	2YY(ST)CY
Cable type (abbreviation)	93B
Signal type/category	PROFINET CAT5 (IEC 11801), 100 Mbps
	EtherCAT [®] CAT5 (IEC 11801), 100 Mbps
Cable structure	1x4xAWG22/7, SF/TQ
External cable diameter	6.5 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	green RAL 6018
Thickness, outer sheath	approx. 0.9 mm
Material, inner sheath	PVC
Conductor material	Tin-plated Cu litz wires



1113299

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onductor structure signal line	7x 0.25 mm
WG signal line	22
onductor cross section	4x 0.34 mm²
aterial wire insulation	PE
lire diameter incl. insulation	1.55 mm
ingle wire, color	white, yellow, blue, orange
verall twist	Star quad
hielding	Aluminum-coated foil, tinned copper braided shield
ptical shield covering	85 %
ominal voltage, cable	600 V
est voltage Core/Core	2000 V (50 Hz, 1 min.)
est voltage Core/Shield	2000 V (50 Hz, 1 min.)
able insulation resistance	≥ 500 MΩ*km
oupling resistance	≤ 20.00 mΩ/m (at 10 MHz)
ave impedance	100 Ω ±15 Ω (at 100 MHz)
pop resistance	≤ 120.00 Ω/km
ignal runtime	5.3 ns/m
ignal speed	0.66 c
inimum bending radius, fixed installation	3 x D
inimum bending radius, flexible installation	7 x D
amping	2.1 dB (with 1 MHz)
	4 dB (at 4 MHz)
	6.3 dB (at 10 MHz)
	8 dB (at 16 MHz)
	9 dB (at 20 MHz)
	11.4 dB (at 31.25 MHz)
	16.5 dB (at 62.5 MHz)
	21.3 dB (at 100 MHz)
ear end crosstalk attenuation (NEXT)	80 dB (with 1 MHz)
	76 dB (at 4 MHz)
	70 dB (at 10 MHz)
	65 dB (at 16 MHz)
	63 dB (at 20 MHz)
	60 dB (at 31.25 MHz)
	55 dB (at 62.5 MHz)
	50 dB (at 100 MHz)
esistance to oil	Resistant to oil to a limited extent
esistance to oil ame resistance	Resistant to oil to a limited extent according to UL 1685 (CSA FT 4)
ame resistance	according to UL 1685 (CSA FT 4)

Environmental and real-life conditions



1113299

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Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C 85 °C (RJ45 connector)
Ambient temperature (storage/transport)	-40 °C 85 °C (RJ45 connector)

Standards and regulations

Standards/specifications	IEC 60603-7



1113299

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Classifications

ECLASS

ECLA	SS-11.0	27060308	
ECLA	SS-12.0	27060308	
ECLA	SS-13.0	27060308	
ETIM			
L I IIVI			
ETIM	8.0	EC002599	
UNSPSC			
UNSI SC			
UNSF	PSC 21.0	39121400	

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