

H583705

Kat 6A F/FTP MX 4P blå LSZH T500

Artikelnummer: VDIC68X218

E-nummer: 4934195

EAN 13-kod: 3606480490378

Teknisk information

► Communication

communication network category

 6_A

Protokoll

VoIP (Voice IP)

PoE 15W (Power over Ethernet)

PoE+ 30W (Power over Ethernet Plus)

10GBASE-T

► certifiering & produkt standard

directives

2006/95/EC - low voltage directive

2011/65/EU - RoHS directive

normes

halogen gas evolution : IEC 60754-1

acidity of combustion gases : IEC 60754-2

smoke generation : IEC 61034

performance: EN 50173-1

flame propagation characteristics: IEC 60332-1

installation standards: ISO/IEC 14763-2

performance: EN 50288-10-1

installation standards: EN 50174-1

performance: IEC 61156-5 ed. 2.1

installation standards: EN 50174-2

performance: IEEE 802.3af

performance: IEEE 802.3at

► anslutningar

Typ av kabel

4 twisted-pairs cable

AWG gauge

AWG 23

cable outer diameter

7.3 mm

► elektrisk

input impedance

100 Ohm @1...500 MHz

transfer impedance

<= 30 mOhm/m 30 MHz (IEC 61156-5, ed. 2 grade 1)

<= 60 mOhm/m 100 MHz (IEC 61156-5, ed. 2 grade 1)

<= 10 mOhm/m 1...10 MHz (IEC 61156-5, ed. 2 grade 1)

► miljö

ambient air temperature for installation

0...50 °C °C

temperaturområde

-20...60 °C °C

ambient air temperature for storage

-20...60 °C °C

temperature resistance

60 °C °C

► funktion

localisation on device

conductor: solid bare copper

wire insulation: PE (polyethylene)

jacket: LSZH (low smoke fire retardant, zero halogen)

screen: metallic crossfiller

► prestanda

Return Loss

Dämpning

Guaranteed: 3.8 dB Typical: 3.7 dB @4 MHz
Guaranteed: 7.5 dB Typical: 6.9 dB @16 MHz
Guaranteed: 8.4 dB Typical: 7.7 dB @20 MHz
Guaranteed: 10.5 dB Typical: 9.6 dB @31.25 MHz
Guaranteed: 15 dB Typical: 13.7 dB @62.5 MHz
Guaranteed: 19.1 dB Typical: 17.5 dB @100 MHz
Guaranteed: 21.5 dB Typical: 19.7 dB @125 MHz
Guaranteed: 27.6 dB Typical: 25.2 dB @200 MHz
Guaranteed: 31.1 dB Typical: 28.4 dB @250 MHz
Guaranteed: 34.3 dB Typical: 31.32 dB @300 MHz
Guaranteed: 40.1 dB Typical: 36.62 dB @400 MHz
Guaranteed: 45.3 dB Typical: 41.4 dB @500 MHz

near end crosstalk

Guaranteed: 5.9 dB Typical: 5.74 dB @10 MHz
Guaranteed: 75 dB Typical: 85.5 dB @4 MHz
Guaranteed: 75 dB Typical: 85.5 dB @10 MHz
Guaranteed: 72.9 dB Typical: 68.5 dB @31.25 MHz
Guaranteed: 68.4 dB Typical: 62.7 dB @62.5 MHz
Guaranteed: 65.3 dB Typical: 58.8 dB @100 MHz
Guaranteed: 63.8 dB Typical: 57.45 dB @125 MHz
Guaranteed: 60.8 dB Typical: 53.1 dB @200 MHz
Guaranteed: 59.3 dB Typical: 51.2 dB @250 MHz
Guaranteed: 75 dB Typical: 85.5 dB @16 MHz
Guaranteed: 75 dB Typical: 85.5 dB @20 MHz
Guaranteed: 58.1 dB Typical: 66.23 dB @300 MHz
Guaranteed: 56.3 dB Typical: 64.18 dB @400 MHz
Guaranteed: 54.8 dB Typical: 45.5 dB @500 MHz

Power Sum Near End Crosstalk (PS NEXT)

Guaranteed: 75 dB @4 MHz
Guaranteed: 75 dB @10 MHz
Guaranteed: 74.2 dB @16 MHz
Guaranteed: 72.8 dB @20 MHz
Guaranteed: 69.9 dB @31.25 MHz
Guaranteed: 65.4 dB @62.5 MHz
Guaranteed: 62.3 dB @100 MHz
Guaranteed: 60.8 dB @125 MHz
Guaranteed: 57.8 dB @200 MHz
Guaranteed: 56.3 dB @250 MHz
Guaranteed: 55.1 dB @300 MHz
Guaranteed: 53.3 dB @400 MHz
Guaranteed: 51.8 dB @500 MHz

Attenuation Crosstalk Ratio Far-end (ACR-F)

Guaranteed: 66 dB @4 MHz
Guaranteed: 58 dB @10 MHz
Guaranteed: 53.9 dB @16 MHz
Guaranteed: 52 dB @20 MHz
Guaranteed: 48.1 dB @31.25 MHz
Guaranteed: 42.1 dB @62.5 MHz
Guaranteed: 38 dB @100 MHz
Guaranteed: 36.1 dB @125 MHz
Guaranteed: 32 dB @200 MHz
Guaranteed: 30 dB @250 MHz
Guaranteed: 28.5 dB @300 MHz
Guaranteed: 26 dB @400 MHz
Guaranteed: 24 dB @500 MHz

Power Sum Alien Crosstalk Ratio Far-end (PS ACR-F)

Guaranteed: 63 dB @4 MHz

	Guaranteed: 55 dB @10 MHz
	Guaranteed: 50.9 dB @16 MHz
	Guaranteed: 49 dB @20 MHz
	Guaranteed: 45.1 dB @31.25 MHz
	Guaranteed: 39.1 dB @62.5 MHz
	Guaranteed: 35 dB @100 MHz
	Guaranteed: 33.1 dB @125 MHz
	Guaranteed: 29 dB @200 MHz
	Guaranteed: 27 dB @250 MHz
	Guaranteed: 25.5 dB @300 MHz
	Guaranteed: 23 dB @400 MHz
	Guaranteed: 21 dB @500 MHz
Power Sum Attenuation to Alien Crosstalk Far-end (PS AACR-F)	Guaranteed: 66.2 dB @4 MHz
	Guaranteed: 58.2 dB @10 MHz
	Guaranteed: 54.1 dB @16 MHz
	Guaranteed: 52.2 dB @20 MHz
	Guaranteed: 48.3 dB @31.25 MHz
	Guaranteed: 42.3 dB @62.5 MHz
	Guaranteed: 38.2 dB @100 MHz
	Guaranteed: 36.3 dB @125 MHz
	Guaranteed: 32.2 dB @200 MHz
	Guaranteed: 30.2 dB @250 MHz
	Guaranteed: 28.7 dB @300 MHz
	Guaranteed: 26.2 dB @400 MHz
	Guaranteed: 24.2 dB @500 MHz
Power Sum Alien Near End Crosstalk (PS ANEXT)	Guaranteed: 67 dB @4 MHz
	Guaranteed: 67 dB @10 MHz
	Guaranteed: 67 dB @16 MHz
	Guaranteed: 67 dB @20 MHz
	Guaranteed: 67 dB @31.25 MHz
	Guaranteed: 65.6 dB @62.5 MHz
	Guaranteed: 62.5 dB @100 MHz
	Guaranteed: 61 dB @125 MHz
	Guaranteed: 58 dB @200 MHz
	Guaranteed: 56.5 dB @250 MHz
	Guaranteed: 55.3 dB @300 MHz
	Guaranteed: 53.5 dB @400 MHz
	Guaranteed: 52 dB @500 MHz
Delay skew	<= 45 ns @1...500 MHz
resistance unbalance	<= 2 %
transverse conversion loss	>= 40 - 10 x log(f) dB from 1...250 MHz (IEC 61156-5, ed. 2.1)
coupling attenuation	>= 75 dB from 30...100 MHz (IEC 61156-5, ed. 2 type Ib) >= 75 - 20 x log10(f / 100) dB from 100...1000 MHz (IEC 61156-5, ed. 2 type Ib)
segregation class	class c (EN 50174-2)
nominal velocity propagation	82 %
fysiska egenskaper	
pulling force	<= 400 N
calorific value	595 MJ/km
bending radius	minimum bending radius after installation: 4 x overall diameter minimum bending radius during installation: 8 x overall diameter
cable weight	53.6 kg/km
artikel nummer	
apparatserie	Actassi
produkt	network cable
cable shielding type	F/FTP with exclusive patented metallic crossfiller
färg	blå
kabelpaketering	drum of 500 m

