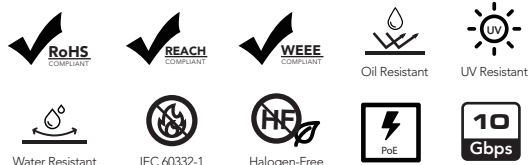




Features

- Data transmission speed up to 10 Gbps
- Ingress Protection Rating to IP67
- 100% component & waterproof test
- Flame retardant to UL 444 CMX
- UV resistance to IEC 60068-2-5
- Oil resistance to UL758 60°C
- Hydrolysis resistance to VDE HD 22.10
- Halogen-free according to IEC 60754-1; silicone-free; CFC-free



Applications

- Industrial Automation
- Intelligent Manufacturing

Reference Standard

Cat.6A S/FTP Specification Standard

Application Standards	IEC 61156-6 Cat. 6A
Supported Data Rate	10 Gbps
Supported Bandwidth	1 to 500 MHz

Construction

Conductors	AWG26 Stranded Annealed Bare Copper
Conductor Insulation	Foam PE
Shielding	Individual pairs AL-Mylar shielded 100% Coverage + Tinned copper wire braiding , with min. 60% Coverage
Outer Jacket Material	PUR
Connector Material	Zinc alloy + Brass
Contact Plating	Gold plating
Cable Boot	PUR

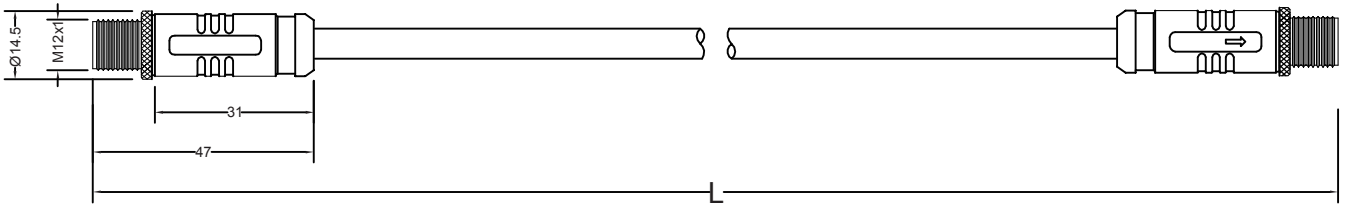
Electrical Characteristics

Conductor Resistance	max.14.5Ω /100M@20°C
Insulation Resistance	min. 5000MΩ /Km@20°C

Mechanical

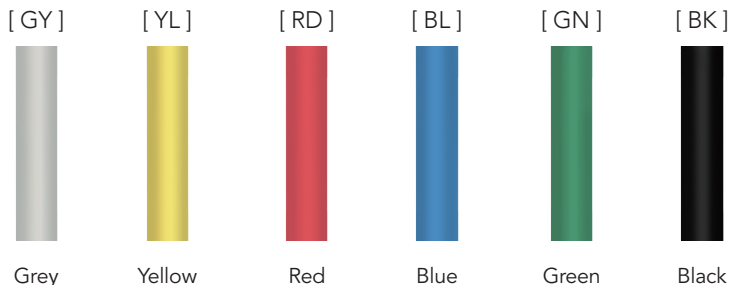
Temperature Range	-40°C up to 85°C
Cable Bend Radius	≥4xOD without load ≥8xOD with load

Connector Structure



CTi Cable Code	AWG	OD (mm)	Outer Jacket	Length	Product Description
LLSA001	26	6.2+/-0.5	PUR	1m-10m	M12 X-code + M12 X-code

Available colours



Test Report

softing

Pass

Cable Label:m12-c1m-5m-3

Date & Time:10/20/2021 08:48:01 PM

Unit Type:ISO PointCard CoSa5A

Cable Name:CAT5A FTR

Connector Name:Shielded CAT5A

Connector Name:Unspecified

Site:

Building:

Floor:

Room:

Back:

Panel:

Device Name:Win-4300

Device Name 2 (Pin):pwr20001382

Local Adapter Type:pwr20001381

Remote Adapter Type:pwr20001382

Local Cable Type:patch120208

Test Channel:patch120209

Local Calibration Date:May 24 2022

Remote Calibration Date:May 24 2022

Device Firmware Version:8.0

Reporting Software Version:Build_11127_A1_2020-03-09_L4_42-49

Wiremap Test

L

12345678

2.0 (m)

R

12345678

Length (m):

2.0 (m)

Value

Limit

Margin

Cable NVP:

66.0

0.0

Propagation Delay (ns):

30.0

0.0

Delay Skew (ns):

0.0

0.0

DC Loop Resistance (Ohms):

1.70

0.0

Warning: TDRS

Insertion Loss: Info

Pass	Margin	Local	Remote
Pair:	-	12	12
Value (dB):	-	1.9	2.3
Limit (dB):	-	-	-
Margin (dB):	-	-	-
Frequency (MHz):	436.00	467.00	

Local

Return Loss: Pass

Pass	Margin	Local	Remote
Pair:	-	12	12
Value (dB):	-	11.9	11.6
Limit (dB):	-	10.0	10.0
Margin (dB):	-	1.9	1.6
Frequency (MHz):	461.00	497.00	461.00 497.00

Local

Remote

NEXT: Pass

Pass	Margin	Local	Remote
Pair:	-	49.78	49.78
Value (dB):	-	52.6	58.3
Limit (dB):	-	40.0	40.0
Margin (dB):	-	12.7	18.3
Frequency (MHz):	211.00	113.50	497.00 497.00

Local

Remote

ACR: Info

Pass	Margin	Local	Remote
Pair:	-	49.12	49.12
Value (dB):	-	42.4	42.4
Limit (dB):	-	-	-
Margin (dB):	-	-	-
Frequency (MHz):	479.00	487.00	481.00 481.00

Local

Remote

ACR: NInfo

Pass	Margin	Local	Remote
Pair:	-	49.78	49.78
Value (dB):	-	42.8	42.8
Limit (dB):	-	-	-
Margin (dB):	-	-	-
Frequency (MHz):	437.00	470.00	497.00 497.00

Local

Remote

PS-Next: Info

Pass	Margin	Local	Remote
Pair:	-	45	36
Value (dB):	-	44.5	36.6
Limit (dB):	-	-	-
Margin (dB):	-	-	-
Frequency (MHz):	462.00	467.00	461.00 467.00

Local

PS-ACR: Info

Pass	Margin	Local	Remote
Pair:	-	45	36
Value (dB):	-	44.5	36.6
Limit (dB):	-	-	-
Margin (dB):	-	-	-
Frequency (MHz):	462.00	467.00	461.00 467.00

Local

PS-ACR: NInfo

Pass	Margin	Local	Remote
Pair:	-	45	36
Value (dB):	-	44.5	36.6
Limit (dB):	-	-	-
Margin (dB):	-	-	-
Frequency (MHz):	462.00	467.00	461.00 467.00

Local

Network Configuration: 1.10806A-1, 1.10806A-1, 1.10806A-1, manufacturer should state API compliance

Cable Label-M12-ctn-10-M-2

Date & Time: 10/24/2023 11:41:48 AM
 Unit Type: ISO-PanCard CATA 10m
 Cable Name: CATA 10-P
 Connector Name: Shielded CATA
 Operator Name: Unspecified

Stor: Building:
 Room:
 Rack:
 Panel:

Pass

✓

Device Name: Wn-4350

Local Device (S/N): pw2003181 Remote Device (S/N): pw2003182

Local Adapter Type: Tera Channel Remote Adapter Type: Tera Channel

Local Adapter S/N: pw012-0238 Remote Adapter S/N: pw012-0239

Local Calibration Date: Mar 24 2022 Remote Calibration Date: Mar 24 2022

Device Firmware Version: 8.0 Reporting Sequence Version: Built_1127_3_1_2020-03-03_14-22-49

	Value	Limit	Margin
Length (m)	10.0	-	-
Cable WVP:	68.0	-	-
Propagation Delay (ns)	49.0	-	-
Delay (ns)	0.0	-	-
DC Loop Resistance (Ohms)	1.80	-	-

Wiremap:Pass

Wiremap Metrics	Local	Remote
Pair:	78	79
Value (dB):	6.5	6.5
Limit (dB):	-	-
Margin (dB):	496.00	496.00

Insertion Loss:Info

Wiremap Metrics	Local	Remote
Pair:	78	79
Value (dB):	6.5	6.5
Limit (dB):	-	-
Margin (dB):	496.00	496.00

Return Loss:Pass

Wiremap Metrics	Local	Remote
Local: Remote:	Local: Remote:	
Pair:	45	12
Value (dB):	23.2	35.9
Limit (dB):	23.7	36.6
Margin (dB):	1.5	4.3
Frequency (MHz):	43.1	495.00

NEXT:Pass

Wiremap Metrics	Local	Remote
Local: Remote:	Local: Remote:	
Pair:	12-45	36-78
Value (dB):	48.3	47.9
Limit (dB):	48.1	52.3
Margin (dB):	0.2	5.4
Frequency (MHz):	176.00	500.00

ACR-F Info

Wiremap Metrics	Local	Remote
Local: Remote:	Local: Remote:	
Pair:	45-12	12-45
Value (dB):	45.6	45.6
Limit (dB):	-	-
Margin (dB):	492.00	492.00

ACR-N Info

Wiremap Metrics	Local	Remote
Local: Remote:	Local: Remote:	
Pair:	12-45	12-36
Value (dB):	35.8	39.8
Limit (dB):	-	-
Margin (dB):	469.00	500.00

PS-NEXT Info

Wiremap Metrics	Local	Remote
Local: Remote:	Local: Remote:	
Pair:	45	12
Value (dB):	59.8	38.8
Limit (dB):	-	-
Margin (dB):	500.00	500.00

PS-ACR Info

Wiremap Metrics	Local	Remote
Local: Remote:	Local: Remote:	
Pair:	45	12
Value (dB):	38.4	36.6
Limit (dB):	-	-
Margin (dB):	492.00	480.00

PS-ACR Info

Wiremap Metrics	Local	Remote
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