

# Product Information – RJ45 Patch cord Cat.6<sub>A</sub> AWG 26



- > especially suitable for shielded and unshielded class E<sub>A</sub> systems
- > fully shielded Cat.6<sub>A</sub> patch cord AWG 26/7
- > two shielded RJ45 connectors; 1:1 assignment
- > cable type: S/FTP 4x2xAWG 26/7 PIMF
- > cable sheath: LSHF (LSOH), halogen free
- > component testing for Cat.6<sub>A</sub> acc. to ISO/IEC 11801-1 and IEC 61935, GHMT certified
- > Class E<sub>A</sub> Link up to 500 MHz to ISO/IEC 11801-1, DIN EN 50173-1
- > suitable for 10 GBit Ethernet (IEEE 802.3an)
- > appropriate for Remote Powering (PoE, PoE plus and UPoE) and HDBaseT
- > snagless boot with integrated lever prediction
- > same width for snagless boot and RJ45 plug
- > minimum bending radius on transfer 8 x diameter, in misplaced condition 4 x diameter
- > available colours: black, orange, heather violet, gray, blue, green, red, yellow, white and purple
- > currently with the colours orange, heather violet and purple only with black grommets
- > 100 % testing in production for crimp heights and compliance Cat.6<sub>A</sub> patch cable standard

## TECHNICAL DATA

## GENERAL DATA

Fields of application	Office
Design	Patch cord
Shielding	shielded
Transmission technology	Copper
Cable type	S/FTP
Number of twisting elements	4
Twisting element	Pair
Wiring	1 - 1
Color	All information from page 6
Dimensions	
Dimension - Interface 1 (L x W x H)	50.52 x 11.70 x 14.97 mm
Dimension - Interface 1 (L x W x H)	1.989 x 0.461 x 0.589 in.
Dimension - Interface 2 (L x W x H)	50.52 x 11.70 x 14.97 mm
Dimension - Interface 2 (L x W x H)	1.989 x 0.461 x 0.589 in.
Cable length (m)	All information from page 6
Cable length (ft)	All information from page 6
Marking option	by cable boot

## TRANSMISSION CHARACTERISTICS

Category (ISO)	6 <sub>A</sub>
Class (ISO/IEC)	E <sub>A</sub>
Category (TIA)	6 <sub>A</sub>
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
HDBaseT	yes
Transmission rate up to 10 GBit	IEEE 802.3an

## TECHNICAL DATA

## CONNECTIONS/INTERFACES

Connector technology interface 1	RJ45 plug
Connector technology interface 2	RJ45 plug
Number of ports interface 1	1
Number of ports interface 2	1
Number of equipped ports interface 1	1
Number of equipped ports interface 2	1
Number of positions/contacts interface 1	8P/8C
Number of positions/contacts interface 2	8P/8C
Termination data, stranded wire	(min. - max.)
Conductor diameter, stranded wire (bare copper)	AWG 26/7
Conductor diameter, stranded wire (bare copper)	0.141 mm <sup>2</sup>
Conductor diameter, stranded wire (bare copper)	0.483 mm
Conductor diameter, stranded wire (bare copper)	0.019 in.

## ELECTRICAL CHARACTERISTICS

Current carrying capacity	max. 1 A
Rated voltage	max. 50 V
Contact resistance	max. 20 mOhm
Through resistance	max. 200 mOhm
Insulation resistance	min. 100 MOhm
Dielectric strength conductor-conductor (primary)	max. 500 V DC
Dielectric strength conductor-conductor (secondary)	max. 500 V DC

## MECHANICAL CHARACTERISTICS

Position/mounting of latch - standard installation position	top
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## MATERIALS AND MATERIAL PROPERTIES

Material - Cable jacket	LSHF (LSOH)
Material - Plug housing interface 1	PC (polycarbonate)
Material - Plug housing interface 2	PC (polycarbonate)
Material - Contact interface 1	CuSn (tin bronze)
Material - Contact interface 2	CuSn (tin bronze)
Material - Contact finish interface 1	Au (gold)
Material - Contact finish interface 2	Au (gold)

## TECHNICAL DATA

## MATERIALS AND MATERIAL PROPERTIES

Material - Contact carriers interface 1	Plastics
Material - Contact carriers interface 2	Plastics
Material - Shield interface 1	CuSn (tin bronze)
Material - Shield interface 2	CuSn (tin bronze)
Material - Shield finish interface 1	Sn (tin)
Material - Shield finish interface 2	Sn (tin)
Halogen free	yes

## ENVIRONMENTAL CONDITIONS

Temperature (min. - max.)

Temperature - Storage °C	-20 - 60 °C
Temperature - Storage °F	-4 - 140 °F
Temperature - Operating °C	-20 - 60 °C
Temperature - Operating °F	-4 - 140 °F
Temperature - Installation °C	0 - 50 °C
Temperature - Installation °F	32 - 122 °F

## CERTIFICATIONS



GHMT component *)	
GHMT component - Validity period	January 2020
Note for GHMT Component test. Approved lengths: 1, 2, 5, 10 and 20 m	

## APPROVAL

ROHS	compliant
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## THE PRODUCT MEETS THE FOLLOWING STANDARDS

Generic cabling systems	
General requirements	ISO/IEC 11801-1 DIN EN 50173-1 TIA/EIA 586
Connectors for electronic equipment Free and fixed connectors	IEC 60603-7-51
Information technology equipment - Radio disturbance characteristics	DIN EN 55022
Specification for the testing of balanced and coaxial information technology cabling	
Cords as specified in ISO/IEC 11801 and related standards	IEC 61935-2 Ed. 3.0 (2010-07)

TECHNICAL DATA

CLASSIFICATIONS

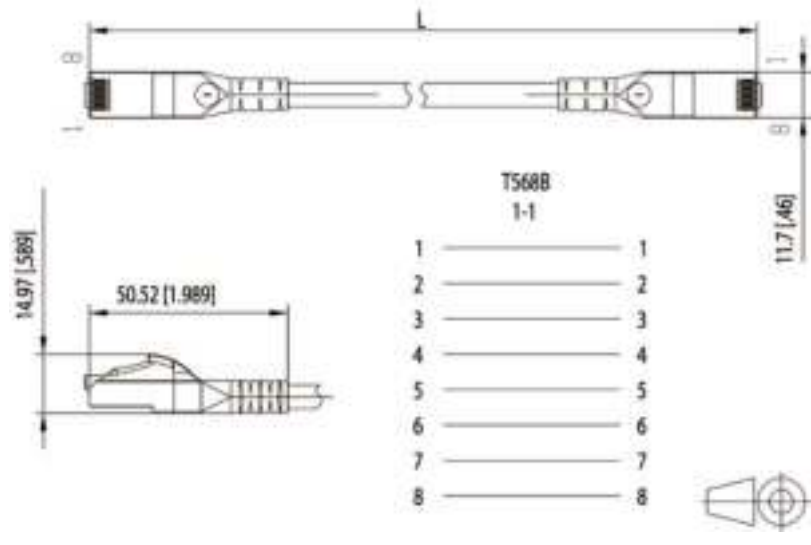
ETIM 5.0	EC001262
ETIM 6.0	EC001262

PACKING DETAILS

Type of packaging	1 piece / plastic bag
Packaging unit - Weight (gram)	46.00 g
Packaging unit - Weight (pound)	0.10 lb

ILLUSTRATIONS

Dimensional drawing





P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
1308450200-E	0.2	black/black	4250184186588
1308450A00-E	0.25	black/black	4251394602837
1308450300-E	0.3	black/black	4250184168706
1308450500-E	0.5	black/black	4250184133667
1308451000-E	1	black/black	4250184133674
1308451500-E	1.5	black/black	4250184133681
1308452000-E	2	black/black	4250184133698
1308452500-E	2.5	black/black	4250184168690
1308453000-E	3	black/black	4250184133704
1308454000-E	4	black/black	4250184184010
1308455000-E	5	black/black	4250184133711
1308456000-E	6	black/black	4250184154006
1308457000-E	7	black/black	4250184133728
1308457500-E	7.5	black/black	4250184186694
1308458000-E	8	black/black	4250184154013
130845A000-E	10	black/black	4250184133735
130845A300-E	13	black/black	4250184146001
130845A500-E	15	black/black	4250184154020
1308458000-E	20	black/black	4250184154037
130845B500-E	25	black/black	4250184163589
130845C000-E	30	black/black	4250184163596
130845C500-E	35	black/black	4251394602325
130845D000-E	40	black/black	4251394602011
130845D500-E	45	black/black	4251394602318



P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
1308450233-E	0.2	gray/gray	4250184181019
1308450A33-E	0.25	gray/gray	4251122187216
1308450333-E	0.3	gray/gray	4250184181033
1308450533-E	0.5	gray/gray	4250184117322
1308451033-E	1	gray/gray	4250184117339
1308451533-E	1.5	gray/gray	4250184117346
1308452033-E	2	gray/gray	4250184117353
1308452533-E	2.5	gray/gray	4250184117360

	P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
	1308453033-E	3	gray/gray	4250184117377
	1308453533-E	3.5	gray/gray	4250184162438
	1308454033-E	4	gray/gray	4250184117384
	1308454533-E	4.5	gray/gray	4250184181026
	1308455033-E	5	gray/gray	4250184117391
	1308455533-E	5.5	gray/gray	4251122192050
	1308456033-E	6	gray/gray	4250184117407
	1308456533-E	6.5	gray/gray	4251122190995
	1308457033-E	7	gray/gray	4250184117414
	1308457533-E	7.5	gray/gray	4250184186601
	1308458033-E	8	gray/gray	4250184117421
	1308459033-E	9	gray/gray	4250184153337
	130845A033-E	10	gray/gray	4250184117438
	130845A133-E	11	gray/gray	4250184188797
	130845A233-E	12	gray/gray	4250184188803
	130845A333-E	13	gray/gray	4250184188810
	130845A433-E	14	gray/gray	4250184188827
	130845A533-E	15	gray/gray	4250184119388
	130845A633-E	16	gray/gray	4250184188834
	130845A733-E	17	gray/gray	4250184153344
	130845B033-E	20	gray/gray	4250184119371
	130845B533-E	25	gray/gray	4250184124467
	130845C033-E	30	gray/gray	4250184124399
	130845C533-E	35	gray/gray	4250184156222
	130845D033-E	40	gray/gray	4250184156215
	130845D533-E	45	gray/gray	4250184195078
	130845E033-E	50	gray/gray	4250184198543
130845F033-E	60	gray/gray	4251394608143	
	P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
	1308450244-E	0.2	blue/blue	4250184186533
	1308450A44-E	0.25	blue/blue	4251122190513
	1308450344-E	0.3	blue/blue	4251122197055
	1308450544-E	0.5	blue/blue	4250184117445







P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
1308450744-E	0.7	blue/blue	4251122190735
1308451044-E	1	blue/blue	4250184117452
1308451544-E	1.5	blue/blue	4250184117469
1308452044-E	2	blue/blue	4250184117476
1308452544-E	2.5	blue/blue	4250184117490
1308453044-E	3	blue/blue	4250184117483
1308454044-E	4	blue/blue	4250184117506
1308455044-E	5	blue/blue	4250184117513
1308456044-E	6	blue/blue	4250184117520
1308457044-E	7	blue/blue	4250184117537
1308457544-E	7.5	blue/blue	4250184186663
130845A044-E	10	blue/blue	4250184117551
130845A544-E	15	blue/blue	4250184152453
130845B044-E	20	blue/blue	4250184144182
130845B544-E	25	blue/blue	4250184126096
130845C044-E	30	blue/blue	4251122187162
130845C544-E	35	blue/blue	4251122194177
130845D044-E	40	blue/blue	4251394607917
130845D544-E	45	blue/blue	4250184195061
130845F044-E	60	blue/blue	4251394619156



P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
1308450255-E	0.2	green/green	4250184186526
1308450355-E	0.3	green/green	4251122197062
1308450555-E	0.5	green/green	4250184117568
1308450755-E	0.7	green/green	4251122191893
1308451055-E	1	green/green	4250184117575
1308451555-E	1.5	green/green	4250184117582
1308452055-E	2	green/green	4250184117599
1308452555-E	2.5	green/green	4250184117605
1308453055-E	3	green/green	4250184117612
1308454055-E	4	green/green	4250184117629
1308455055-E	5	green/green	4250184117636
1308456055-E	6	green/green	4250184117643



	P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
	1308457055-E	7	green/green	4250184117650
	1308457555-E	7.5	green/green	4250184186656
	1308458055-E	8	green/green	4250184117667
	130845A055-E	10	green/green	4250184117674
	130845A555-E	15	green/green	4250184152897
	130845B055-E	20	green/green	4250184147213
	130845B555-E	25	green/green	4250184197836
	130845C055-E	30	green/green	4250184148845
	130845C555-E	35	green/green	4251394618470
	130845D055-E	40	green/green	4250184148852
	130845D555-E	45	green/green	4251394614243
	130845E055-E	50	green/green	4250184197805
	P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
	1308450266-E	0.2	red/red	4250184158943
	1308450366-E	0.3	red/red	4250184152903
	1308450466-E	0.4	red/red	4250184174455
	1308450566-E	0.5	red/red	4250184117681
	1308451066-E	1	red/red	4250184117698
	1308451566-E	1.5	red/red	4250184117704
	1308452066-E	2	red/red	4250184117711
	1308452566-E	2.5	red/red	4250184117728
	1308453066-E	3	red/red	4250184117735
	1308453566-E	3.5	red/red	4251122198311
	1308454066-E	4	red/red	4250184117742
	1308454566-E	4.5	red/red	4251122198342
	1308455066-E	5	red/red	4250184117759
	1308455566-E	5.5	red/red	4251122198359
	1308456066-E	6	red/red	4250184117766
	1308456566-E	6.5	red/red	4251394619491
	1308457066-E	7	red/red	4250184117773
	1308457566-E	7.5	red/red	4250184186670
	130845A066-E	10	red/red	4250184117797
	130845A566-E	15	red/red	4250184119562




	P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
	130845B066-E	20	red/red	4250184119555
	130845B566-E	25	red/red	4250184154563
	130845C066-E	30	red/red	4250184159407
	130845D066-E	40	red/red	4250184188155
	130845E066-E	50	red/red	4251394612003
	P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
	1308450277-E	0.2	yellow/yellow	4250184186519
	1308450377-E	0.3	yellow/yellow	4251394602097
	1308450577-E	0.5	yellow/yellow	4250184117216
	1308450777-E	0.7	yellow/yellow	4251122191886
	1308451077-E	1	yellow/yellow	4250184116776
	1308451577-E	1.5	yellow/yellow	4250184117223
	1308452077-E	2	yellow/yellow	4250184117230
	1308452577-E	2.5	yellow/yellow	4250184117247
	1308453077-E	3	yellow/yellow	4250184117254
	1308453577-E	3.5	yellow/yellow	4251122198328
	1308454077-E	4	yellow/yellow	4250184117261
	1308454577-E	4.5	yellow/yellow	4251122198335
	1308455077-E	5	yellow/yellow	4250184117278
	1308455577-E	5.5	yellow/yellow	4251122198366
	1308456077-E	6	yellow/yellow	4250184117285
	1308456577-E	6.5	yellow/yellow	4251394619507
	1308457077-E	7	yellow/yellow	4250184117292
	1308457577-E	7.5	yellow/yellow	4250184137207
	1308458077-E	8	yellow/yellow	4250184117308
	130845A077-E	10	yellow/yellow	4250184117315
	130845A577-E	15	yellow/yellow	4250184119364
	130845B077-E	20	yellow/yellow	4250184119357
	130845B577-E	25	yellow/yellow	4250184115373
	130845C077-E	30	yellow/yellow	4250184174653
	130845C577-E	35	yellow/yellow	4250184155218
	130845D077-E	40	yellow/yellow	4251394611174
	130845D577-E	45	yellow/yellow	4251122198496



P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
130845E077-E	50	yellow/yellow	4250184115380



P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
1308450288-E	0.2	white/white	4250184186564
1308450588-E	0.5	white/white	4250184133636
1308451088-E	1	white/white	4250184133629
1308451588-E	1.5	white/white	4250184133643
1308452088-E	2	white/white	4250184133223
1308452588-E	2.5	white/white	4251394620749
1308453088-E	3	white/white	4250184133247
1308455088-E	5	white/white	4250184133254
1308456088-E	6	white/white	4251394619514
1308457088-E	7	white/white	4250184133650
1308457588-E	7.5	white/white	4250184186687
1308458088-E	8	white/white	4251394619521
130845A088-E	10	white/white	4250184133261
130845A288-E	12	white/white	4251394619538
130845A588-E	15	white/white	4250184133278
130845B088-E	20	white/white	4250184133285
130845C088-E	30	white/white	4251394617343

	P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
	1308450501-E	0.5	orange/black	4251394614724
	1308451001-E	1	orange/black	4251394614748
	1308452001-E	2	orange/black	4251394612874
	1308453001-E	3	orange/black	4251394614762
	1308455001-E	5	orange/black	4251394614793
	1308457001-E	7	orange/black	4251394614823
	130845A001-E	10	orange/black	4251394614854
	P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
	1308450502-E	0.5	magenta/black	4251394614731
	1308451002-E	1	magenta/black	4251394612904
	1308451502-E	1.5	magenta/black	4251394616698
	1308452002-E	2	magenta/black	4251394612881
	1308453002-E	3	magenta/black	4251394614779
	1308455002-E	5	magenta/black	4251394614809
	1308457002-E	7	magenta/black	4251394614830
130845A002-E	10	magenta/black	4251394614861	
	P/N	LENGTH/M	CORD COLOR/SLEEVE COLOR	EAN
	1308450509-E	0.5	purple/black	4251394614120
	1308451009-E	1	purple/black	4251394614755
	1308451509-E	1.5	purple/black	4251394619613
	1308452009-E	2	purple/black	4251394612898
	1308453009-E	3	purple/black	4251394614786
	1308455009-E	5	purple/black	4251394614816
	1308457009-E	7	purple/black	4251394614847
130845A009-E	10	purple/black	4251394614878	