

## 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 |
|---|-----|

## 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 |
|------|-----------|

## THE PRODUCT MEETS THE FOLLOWING STANDARDS

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

TECHNICAL DATA

CLASSIFICATIONS

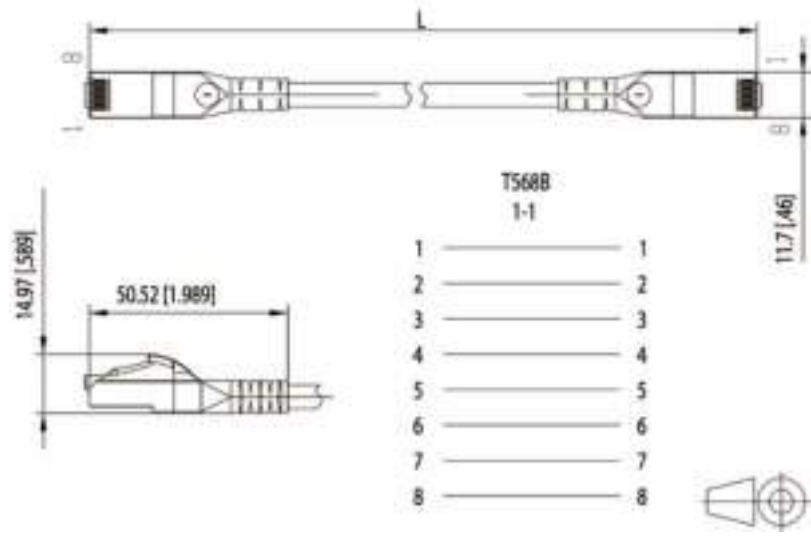
|          |          |
|----------|----------|
| ETIM 5.0 | EC001262 |
| ETIM 6.0 | EC001262 |

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 |
|  | 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           |               |