

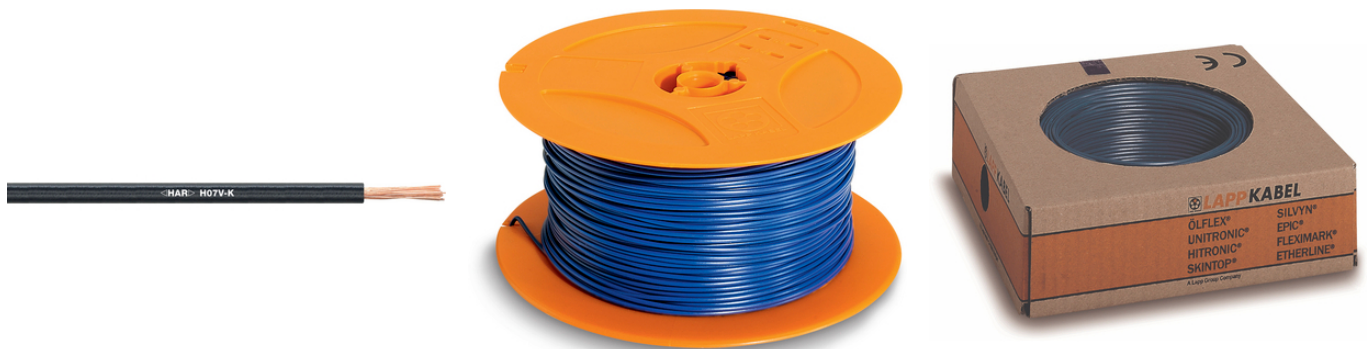
## H07V-K <HAR>

European <HAR> cable type certification

H07V-K, HAR, power and control cable, PVC, 450/750V, wiring of devices and control cabinets, flame-retardant, class 5/ fine wire, fixed installation, ring/spool

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)  
<HAR>



### Benefits

Cables' <HAR> marking also stands for the international endorsement of national certification institutes' testing marks and certificates, e. g. <VDE><HAR>. The <HAR> marking is of special importance in case of goods traffic between European countries.

### Application range

Laying in tubes, exposed or buried in plaster, and in closed installation ducts  
For direct laying on racks, troughs and tubes only as potential equalisation conductor

### Product features

Flame-retardant according IEC 60332-1-2  
Spool: d1 = 18 mm; d2 = 200 mm; b = 85 mm

### Norm references / Approvals

<HAR> cable type certification acc. EN 50525-2-31

No cable type certified core insulation colours according to EN 50525-1/ VDE 0285-525-1: transparent, green (single colour), yellow (single colour), all double colours (except of green-yellow and yellow-green)

### Product Make-up

Fine-wired copper conductor of bare copper strands in line with conductor class 5 acc. IEC 60228  
Core insulation: Based on PVC

### Technical Data

Last Update (05.08.2026)  
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Product Management [www.lappkabel.de](http://www.lappkabel.de)  
You can find the current technical data in the corresponding data sheet.  
PN 0456 / 02\_03.16

**H07V-K <HAR>**

|                         |                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification ETIM 5:  | ETIM 5.0 Class-ID: EC000993<br>ETIM 5.0 Class-Description: Single core cable                                                                                                                                          |
| Classification ETIM 6:  | ETIM 6.0 Class-ID: EC000993<br>ETIM 6.0 Class-Description: Single core cable                                                                                                                                          |
| Conductor stranding:    | Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5                                                                                                                                                            |
| Minimum bending radius: | According to EN 50565-1<br>$OD \leq 8 \text{ mm}$ : $4 \times OD^*/2 \times OD^{**}$ ;<br>$8 < OD \leq 12 \text{ mm}$ : $5 \times OD^*/3 \times OD^{**}$ ;<br>$OD > 12 \text{ mm}$ : $6 \times OD^*/4 \times OD^{**}$ |
| Nominal voltage:        | U0/U: 450/750 V                                                                                                                                                                                                       |
| Test voltage:           | 2500 V                                                                                                                                                                                                                |
| Current rating:         | VDE 0298 Part 4<br>EN 50565-1/ VDE 0298-565-1                                                                                                                                                                         |
| Temperature range:      | Fixed installation: -40 °C to +70 °C                                                                                                                                                                                  |

**Note**

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Packaging size: Coil  $\leq 30 \text{ kg}$ , otherwise drum

\* Trade product, no Lapp product

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

\*for conventional use, \*\*for careful bending; "OD" = outer diameter

## H07V-K &lt;HAR&gt;

| Article number | Core colour       | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | m/ring | m/spool | Copper index (kg/km) | Weight (kg/km) |
|----------------|-------------------|--------------------------------------------|---------------------|--------|---------|----------------------|----------------|
| 4520086        | pink              | 16.0                                       | 6.7 - 8.1           | -      | -       | -                    | 187            |
| 4520001S       | green/yellow      | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | 22             |
| 4520011S       | black             | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | 22             |
| 4520021S       | blue              | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | 22             |
| 4520141S       | dark blue         | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | 22             |
| 4520031S       | brown             | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | 22             |
| 4520121S       | green             | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | 22             |
| 4520071S       | violet            | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | 22             |
| 4520041S       | red               | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | 22             |
| 4520051S       | white             | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | 22             |
| 4520061S       | grey              | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | 22             |
| 4520002S       | green/yellow      | 2.5                                        | 3.4 - 4.1           | -      | 100     | 24                   | 37             |
| 4520012S       | black             | 2.5                                        | 3.4 - 4.1           | -      | 100     | 24                   | 37             |
| 4520022S       | blue              | 2.5                                        | 3.4 - 4.1           | -      | 100     | 24                   | 37             |
| 4520142S       | dark blue         | 2.5                                        | 3.4 - 4.1           | -      | 100     | 24                   | 37             |
| 4520032S       | brown             | 2.5                                        | 3.4 - 4.1           | -      | 100     | 24                   | 37             |
| 4520112S       | yellow            | 2.5                                        | 3.4 - 4.1           | -      | 100     | 24                   | 37             |
| 4520122S       | green             | 2.5                                        | 3.4 - 4.1           | -      | 100     | 24                   | 37             |
| 4520042S       | red               | 2.5                                        | 3.4 - 4.1           | -      | 100     | 24                   | 37             |
| 4520052S       | white             | 2.5                                        | 3.4 - 4.1           | -      | 100     | 24                   | 37             |
| 4520062S       | grey              | 2.5                                        | 3.4 - 4.1           | -      | 100     | 24                   | 37             |
| 4520001        | green/yellow      | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520011        | black             | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520021        | blue              | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520141        | dark blue         | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520031        | brown             | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520111        | yellow            | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520121        | green             | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520071        | violet            | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520081        | pink              | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520041        | red               | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520051        | white             | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520061        | grey              | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520161        | ultra-marine blue | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
|                |                   |                                            |                     |        |         |                      |                |

## H07V-K &lt;HAR&gt;

| Article number | Core colour       | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | m/ring | m/spool | Copper index (kg/km) | Weight (kg/km) |
|----------------|-------------------|--------------------------------------------|---------------------|--------|---------|----------------------|----------------|
| 4520091        | orange            | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | 22             |
| 4520921        | Dark blue/white   | 1.5                                        | 2.8 - 3.4           | 100    | -       | 14.4                 | -              |
| 4520101S       | transparent       | 1.5                                        | 2.8 - 3.4           | -      | 150     | 14.4                 | -              |
| 4520002        | green/yellow      | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520012        | black             | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520022        | blue              | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520142        | dark blue         | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520032        | brown             | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520112        | yellow            | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520122        | green             | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520072        | violet            | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520082        | pink              | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520042        | red               | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520052        | white             | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520062        | grey              | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520162        | ultra-marine blue | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520092        | orange            | 2.5                                        | 3.4 - 4.1           | 100    | -       | 24                   | 37             |
| 4520003        | green/yellow      | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520013        | black             | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520023        | blue              | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520143        | dark blue         | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520033        | brown             | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520113        | yellow            | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520123        | green             | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520073        | violet            | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520083        | pink              | 4.0                                        | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520043        | red               | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520053        | white             | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520063        | grey              | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520163        | ultra-marine blue | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520093        | orange            | 4                                          | 3.9 - 4.8           | 100    | -       | 38.4                 | 45             |
| 4520004        | green/yellow      | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520014        | black             | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520024        | blue              | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
|                |                   |                                            |                     |        |         |                      |                |

**H07V-K <HAR>**

| Article number | Core colour       | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | m/ring | m/spool | Copper index (kg/km) | Weight (kg/km) |
|----------------|-------------------|--------------------------------------------|---------------------|--------|---------|----------------------|----------------|
| 4520144        | dark blue         | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520034        | brown             | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520114        | yellow            | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520124        | green             | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520074        | violet            | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520094        | orange            | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520084        | pink              | 6.0                                        | 4.4 - 5.3           | -      | -       | 57.6                 | 71             |
| 4520044        | red               | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520054        | white             | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520064        | grey              | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520164        | ultra-marine blue | 6                                          | 4.4 - 5.3           | 100    | -       | 57.6                 | 71             |
| 4520005        | green/yellow      | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520015        | black             | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520025        | blue              | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520145        | dark blue         | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520035        | brown             | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520115        | yellow            | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | -              |
| 4520125        | green             | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520075        | violet            | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520095        | orange            | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520085        | pink              | 10.0                                       | 5.7 - 6.8           | 100    | -       | -                    | 120            |
| 4520045        | red               | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520055        | white             | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520065        | grey              | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520165        | ultra-marine blue | 10                                         | 5.7 - 6.8           | 100    | -       | 96                   | 120            |
| 4520006        | green/yellow      | 16                                         | 6.7 - 8.1           | -      | -       | 153.6                | 187            |
| 4520016        | black             | 16                                         | 6.7 - 8.1           | -      | -       | 153.6                | 187            |
| 4520026        | blue              | 16                                         | 6.7 - 8.1           | -      | -       | 153.6                | 187            |
| 4520146        | dark blue         | 16                                         | 6.7 - 8.1           | -      | -       | 153.6                | 187            |
| 4520036        | brown             | 16                                         | 6.7 - 8.1           | -      | -       | 153.6                | 187            |
| 4520116        | yellow            | 16                                         | 6.7 - 8.1           | 100    | -       | 153.6                | -              |
| 4520126        | green             | 16                                         | 6.7 - 8.1           | -      | -       | 153.6                | 187            |
| 4520096        | orange            | 16                                         | 6.7 - 8.1           | -      | -       | 153.6                | 187            |
| 4520046        | red               | 16                                         | 6.7 - 8.1           | -      | -       | 153.6                | 187            |
|                |                   |                                            |                     |        |         |                      |                |

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| Article number | Core colour  | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | m/ring | m/spool | Copper index (kg/km) | Weight (kg/km) |
|----------------|--------------|--------------------------------------------|---------------------|--------|---------|----------------------|----------------|
| 4520056        | white        | 16                                         | 6.7 - 8.1           | -      | -       | 153.6                | 187            |
| 4520066        | grey         | 16                                         | 6.7 - 8.1           | -      | -       | 153.6                | 187            |
| 4521001        | green/yellow | 25                                         | 8.4 - 10.2          | -      | -       | 240                  | 290            |
| 4521011        | black        | 25                                         | 8.4 - 10.2          | -      | -       | 240                  | 290            |
| 4521021        | blue         | 25                                         | 8.4 - 10.2          | -      | -       | 240                  | 290            |
| 4521141        | dark blue    | 25                                         | 8.4 - 10.2          | -      | -       | 240                  | 290            |
| 4521031        | brown        | 25                                         | 8.4 - 10.2          | -      | -       | 240                  | 290            |
| 4521091        | orange       | 25                                         | 8.4 - 10.2          | -      | -       | 240                  | 290            |
| 4521041        | red          | 25                                         | 8.4 - 10.2          | -      | -       | 240                  | 290            |
| 4521051        | white        | 25                                         | 8.4 - 10.2          | -      | -       | 240                  | 290            |
| 4521061        | grey         | 25                                         | 8.4 - 10.2          | -      | -       | 240                  | 290            |
| 4521002        | green/yellow | 35                                         | 9.7 - 11.7          | -      | -       | 336                  | 399            |
| 4521012        | black        | 35                                         | 9.7 - 11.7          | -      | -       | 336                  | 399            |
| 4521022        | blue         | 35                                         | 9.7 - 11.7          | -      | -       | 336                  | 399            |
| 4521142        | dark blue    | 35                                         | 9.7 - 11.7          | -      | -       | 336                  | 399            |
| 4521032        | brown        | 35                                         | 9.7 - 11.7          | -      | -       | 336                  | 399            |
| 4521042        | red          | 35                                         | 9.7 - 11.7          | -      | -       | 336                  | 399            |
| 4521092        | orange       | 35                                         | 9.7 - 11.7          | -      | -       | 336                  | 399            |
| 4521062        | grey         | 35                                         | 9.7 - 11.7          | -      | -       | 336                  | 399            |
| 4521003        | green/yellow | 50                                         | 11.5 - 13.9         | -      | -       | 480                  | 559            |
| 4521013        | black        | 50                                         | 11.5 - 13.9         | -      | -       | 480                  | 559            |
| 4521023        | blue         | 50                                         | 11.5 - 13.9         | -      | -       | 480                  | 559            |
| 4521033        | brown        | 50                                         | 11.5 - 13.9         | -      | -       | 480                  | 559            |
| 4521093        | orange       | 50                                         | 11.5 - 13.9         | -      | -       | 480                  | 559            |
| 4521043        | red          | 50                                         | 11.5 - 13.9         | -      | -       | 480                  | 559            |
| 4521004        | green/yellow | 70                                         | 13.2 - 16           | -      | -       | 672                  | 776            |
| 4521014        | black        | 70                                         | 13.2 - 16           | -      | -       | 672                  | 776            |
| 4521024        | blue         | 70                                         | 13.2 - 16           | -      | -       | 672                  | 776            |
| 4521034        | brown        | 70                                         | 13.2 - 16           | -      | -       | 672                  | 776            |
| 4521044        | red          | 70                                         | 13.2 - 16           | -      | -       | 672                  | 776            |
| 4521094        | orange       | 70.0                                       | 13.2 - 16.0         | -      | -       | 672                  | 776            |
| 4521005        | green/yellow | 95                                         | 15.1 - 18.2         | -      | -       | 912                  | 1031           |
| 4521015        | black        | 95                                         | 15.1 - 18.2         | -      | -       | 912                  | 1031           |
| 4521025        | blue         | 95                                         | 15.1 - 18.2         | -      | -       | 912                  | 1031           |
|                |              |                                            |                     |        |         |                      |                |

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| Article number | Core colour  | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | m/ring | m/spool | Copper index (kg/km) | Weight (kg/km) |
|----------------|--------------|--------------------------------------------|---------------------|--------|---------|----------------------|----------------|
| 4521095        | orange       | 95.0                                       | 15.1 - 18.2         | -      | -       | 912                  | 1031           |
| 4521006        | green/yellow | 120                                        | 16.7 - 20.2         | -      | -       | 1152                 | 1285           |
| 4521016        | black        | 120                                        | 16.7 - 20.2         | -      | -       | 1152                 | 1285           |
| 4521096        | orange       | 120.0                                      | 16.7 - 20.2         | -      | -       | 1152                 | 1285           |
| 4521007        | green/yellow | 150                                        | 18.6 - 22.5         | -      | -       | 1440                 | 1563           |
| 4521017        | black        | 150                                        | 18.6 - 22.5         | -      | -       | 1440                 | 1563           |
| 4521008        | green/yellow | 185                                        | 20.6 - 24.9         | -      | -       | 1776                 | 1915           |
| 4521018        | black        | 185                                        | 20.6 - 24.9         | -      | -       | 1776                 | 1915           |
| 4521009        | green/yellow | 240                                        | 23.5 - 28.4         | -      | -       | 2304                 | 2550           |
| 4521019        | black        | 240                                        | 23.5 - 28.4         | -      | -       | 2304                 | 2550           |
| 4521099        | orange       | 240.0                                      | 23.4 - 28.4         | -      | -       | 2304                 | 2550           |
| Maxi ring      |              |                                            |                     |        |         |                      |                |
| 4520011X       | black        | 1.5                                        | 2.8 - 3.4           | 350    | -       | 14.4                 | 22             |
| 4520021X       | blue         | 1.5                                        | 2.8 - 3.4           | 350    | -       | 14.4                 | 22             |
| 4520141X       | dark blue    | 1.5                                        | 2.8 - 3.4           | 350    | -       | 14.4                 | 22             |
| 4520001X       | green/yellow | 1.5                                        | 2.8 - 3.4           | 350    | -       | 14.4                 | 22             |
| 4520091X       | orange       | 1.5                                        | 2.8 - 3.4           | 350    | -       | 14.4                 | 22             |
| 4520041X       | red          | 1.5                                        | 2.8 - 3.4           | 350    | -       | 14.4                 | 22             |
| 4520012X       | black        | 2.5                                        | 3.4 - 4.1           | 200    | -       | 24                   | 37             |
| 4520022X       | blue         | 2.5                                        | 3.4 - 4.1           | 200    | -       | 24                   | 37             |
| 4520002X       | green/yellow | 2.5                                        | 3.4 - 4.1           | 200    | -       | 24                   | 37             |
| 4520013X       | black        | 4.0                                        | 3.9 - 4.8           | 150    | -       | 38.4                 | 45             |
| 4520003X       | green/yellow | 4.0                                        | 3.9 - 4.8           | 150    | -       | 38.4                 | 45             |

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