

## HDC XX6A01 FMSRJ45-0100

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



Robust data cables designed for use in railway applications. The Cat#6 X coded and Cat#5 D coded variants provide reliable and interference resistant data transmission for demanding onboard and trackside environments. Ideal for applications with high mechanical stress and for ensuring consistent performance under harsh conditions.

### General ordering data

|            |   |
|------------|---|
| Order No.  | 2451100100                              |
| Type       | <a href="#">HDC XX6A01 FMSRJ45-0100</a> |
| GTIN (EAN) | 4050118468519                           |
| Qty.       | 1 items                                 |

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## Technical data

## Approvals

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

## Dimensions and weights

|            |          |
|------------|----------|
| Net weight | 112.64 g |
|------------|----------|

## Temperatures

|                   |                  |
|-------------------|------------------|
| Limit temperature | -40 °C ... 90 °C |
|-------------------|------------------|

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 2ac5c63f-7f5e-465a-860d-49cfb7bbe5b5 |

## General data

|                       |                      |                       |            |
|-----------------------|----------------------|-----------------------|------------|
| Number of poles       | 8                    | Cable length          | 1 m        |
| Coding                | X-coded              | Contact surface       | Au (Gold)  |
| Transmission rate     | 10 Gbps, 10 Gbit/s   | Insulation resistance | ≥ 108 Ω    |
| Category              | Cat. 6A              | Nominal voltage       | 50 V       |
| Nominal current       | 0.5 A                | Plugging cycles       | ≥ 2265 100 |
| Type                  | Female               | Pollution severity    | 2          |
| Opposite side version | Male, straight, RJ45 | Module side version   | Female     |

## Cable technical specifications

|                  |  |        |
|------------------|--|--------|
| Cable length     | 1 m  |        |
| Sheathing colour | blue   |        |
| Shielded         | Yes  |        |
| Halogen          | No   |        |
| Insulation       | Expanded   |        |
| Sheath material  | Radox EM 104   |        |
| Colour coding    | white / orange, orange, white / green, green, white / brown, brown, white / blue, blue |        |
| Outside diameter | Diameter   | 8.1 mm |
|                  | Signs  | ±      |
|                  | Tolerance  | 0.5 mm |
| Outside diameter | 8.1 mm ± 0.5 mm  |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 14.0 | 27-06-03-07 |
| ECLASS 15.0 | 27-06-03-07 |             |             |

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**Drawings**

|      |   |               |   |     |
|------|---|---------------|---|-----|
| RJ45 | 1 | White, Orange | 1 | M12 |
|      | 2 | Orange        | 2 |     |
|      | 3 | White, Green  | 3 |     |
|      | 4 | Blue          | 8 |     |
|      | 5 | White, Blue   | 7 |     |
|      | 6 | Green         | 4 |     |
|      | 7 | White, Brown  | 5 |     |
|      | 8 | Brown         | 6 |     |