

DK6000 data cable U/UTP Cat 6 Fca PE 24AWG

Category-6 and Fca Euroclass data cable, U/UTP type (Unfoiled), with copper conductor and PE sheath, black colour.

| | |
|---------------------|---------------|
| Ref. | 212201 |
| Logical ref. | CAT6PE305W |
| EAN13 | 8424450183298 |

Other features

| | |
|---------------|----------|
| Colour | Black |
| Length | 305.00 m |

Packaging info

| | |
|---------------|--------|
| Box | 305 m |
| Pallet | 7320 m |

Physical data

| | |
|----------------------------|-------------|
| Net weight | 35.00 g |
| Gross weight | 39.00 g |
| Width | 6.00 mm |
| Height | 1,000.00 mm |
| Depth | 6.00 mm |
| Main product weight | 35.00 g |

Highlights

- U/UTP data Cable
- Solid copper inner conductor (24AWG)
- Compatible with PoE/PoE+ (Power over Ethernet) technology, allowing the cable to power network devices
- PE (Polyethylene) outer sheath

- 72% nominal speed
- Certified according to the applicable standards as defined in the available declarations of conformity and performance

Discover

Category 6

Data cable category Cat 6 complies with the standard for Gigabit Ethernet and it is backwards compatible, with the standards of the inferior categories (Cat 5/5e and Cat 3). Category 6 evolves over category 5E, allowing to achieve transmission frequencies of up to 250 MHz (in each pair) and 1 Gbps of throughput. It includes characteristics and specifications to avoid crosstalk and noise. This type of data cable can be used in 10BASE-T, 100BASE-T and 1000BASE-T (Gigabit Ethernet) compliant systems.

Our category 6 cables are characterized:

- Comply with TIA/EIA-568B.2-1
- Crucifix type padding
- Transfer rate up to 1Gbps
- Frequency range of up to 250 MHz and up to 400MHz in some references
- Includes rip cord to make it easier to strip the cable
- Nominal impedance of 100 ohms
- Maximum resistance per conductor below 9.38 ohms/100m

Compatibility of RJ45 connectors with Televes data cables:

| Reference | 219602 | 219701 | 219901 | 219910 | 212201 | 2123 | 212302 | 212305 | 212310 | 212101 | 219302 | 219312 | 219313 | 219322 |
|-------------------|---------------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| Female connectors | 209901/209907 | OK | OK | OK | OK | OK | OK | OK | OK | X | X | X | X | X |
| | 209905 | OK | OK | OK | OK | OK | OK | OK | OK | X | X | X | X | X |
| | 209921/209925 | OK | OK | OK | OK | OK | OK | OK | OK | X | X | OK | OK | X |
| | 209926 | OK | OK | OK | OK | OK | OK | OK | OK | X | X | OK | OK | X |
| | 209903 | OK* | OK* | OK | OK* | OK* | OK* | OK* | OK* | OK | X | X | X | X |
| | 209923 | OK* | OK* | OK | OK* | OK* | OK* | OK* | OK* | OK | OK | OK* | OK* | OK |
| | 209929/209501 | OK* | OK* | OK | OK* | OK* | OK* | OK* | OK* | OK | OK | OK* | OK* | OK |

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|-----------------|---------------|--------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|--------|--------|
| Male connectors | 209902 | OK | OK | OK | OK | OK | OK | OK | OK | X | X | X | X | X |
| | 209961/209962 | OK | OK | OK | OK | OK | OK | OK | OK | X | X | X | X | X |
| | 209904 | OK* | OK* | OK | OK* | OK* | OK* | OK* | OK* | OK | X | X | X | X |
| | 209906 | OK | OK | OK | OK | OK | OK | OK | OK | X | X | X | X | X |
| | 209965/209966 | OK | OK | OK | OK | OK | OK | OK | OK | X | X | X | X | X |
| | 209922 | OK* | OK* | OK | OK* | OK* | OK* | OK* | OK* | X | X | OK | OK | X |
| | 209924 | OK* | OK* | OK | OK* | OK* | OK* | OK* | OK* | OK* | OK | OK* | OK* | OK |

OK Compatible

OK* Compatible, but there are better choices

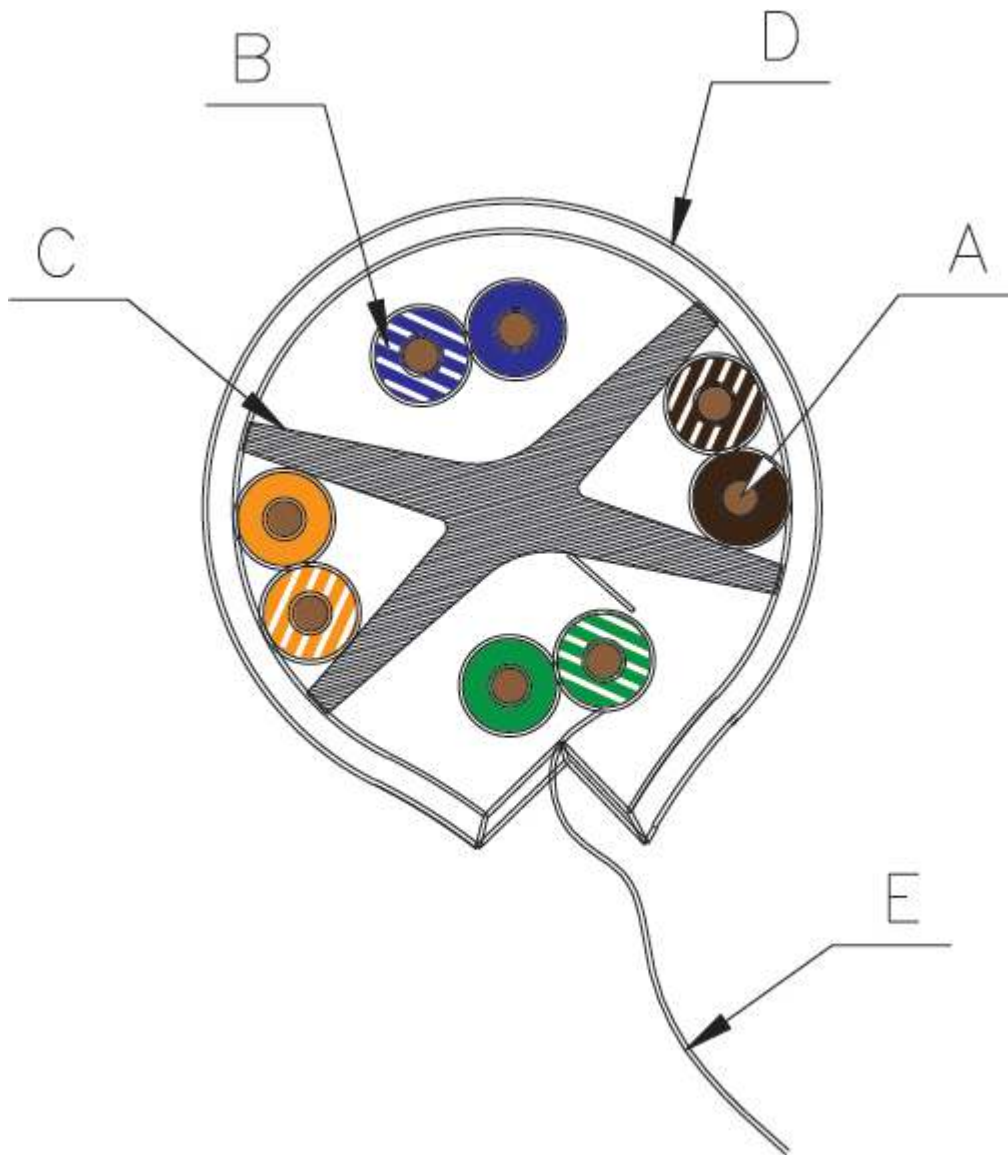
X Incompatible

** Mechanical compatibility

Mounting details

DETAIL VIEW OF THE DATA CABLE SECTION

- A. Inner conductor
- B. Inner conductor isolation
- C. Crucifix Filler
- D. Outer sheath
- E. Rip cord



Technical specifications : Ref. 212201

| | | | | | | | | | | | | | | | | | | | | |
|------------------------------|--------------------|-------|-------|-------|--------|--------|--------|--------|-----------|----------|---------|---------|---------|--|--|--|--|--|--|--------------|
| Model | | | | | | | | | | | | | | | | | | | | DK6000 |
| Type | | | | | | | | | | | | | | | | | | | | U/UTP |
| Euroclass | | | | | | | | | | | | | | | | | | | | Fca |
| Category | | | | | | | | | | | | | | | | | | | | Cat 6 |
| Transmission bandwidth | | | | | | | | | | | | | | | | | | | | 250MHz |
| Transfer rate | | | | | | | | | | | | | | | | | | | | 1Gbps |
| Conductor Diameter | mm | | | | | | | | | | | | | | | | | | | 0.51 |
| Conductor Material | | | | | | | | | | | | | | | | | | | | Solid copper |
| Conductor type AWG | | | | | | | | | | | | | | | | | | | | 24 |
| Conductor isolation Diameter | mm | | | | | | | | | | | | | | | | | | | 0.95 |
| Conductor isolation Material | | | | | | | | | | | | | | | | | | | | Polyethylene |
| Crucifix filler | | | | | | | | | | | | | | | | | | | | Yes |
| Outer sheath Diameter | mm | | | | | | | | | | | | | | | | | | | 6.2 |
| Outer sheath Material | | | | | | | | | | | | | | | | | | | | PE |
| Outer sheath Thickness | mm | | | | | | | | | | | | | | | | | | | 0.55 |
| Rip cord | | | | | | | | | | | | | | | | | | | | Yes |
| Spark Test | Vac | | | | | | | | | | | | | | | | | | | 3000 |
| Nominal impedance | Ω | | | | | | | | | | | | | | | | | | | 100 |
| Conductor resistance | Ohm/100m | | | | | | | | | | | | | | | | | | | < 9.38 |
| Nominal speed | % | | | | | | | | | | | | | | | | | | | 72 |
| Working voltage | V | | | | | | | | | | | | | | | | | | | 300 |
| Operating temperature | $^{\circ}\text{C}$ | | | | | | | | | | | | | | | | | | | -40 ... 80 |
| Frequencies | | 1 MHz | 4 MHz | 8 MHz | 10 MHz | 16 MHz | 20 MHz | 25 MHz | 31.25 MHz | 62.5 MHz | 100 MHz | 200 MHz | 250 MHz | | | | | | | |
| Attenuation (max.) | dB/100m | 2 | 3.8 | 5.3 | 6 | 7.6 | 8.5 | 9.5 | 10.7 | 15.4 | 19.8 | 29 | 32.8 | | | | | | | |
| NEXT (min.) | dB/100m | 74.3 | 65.3 | 60.8 | 59.3 | 56.2 | 54.8 | 53.3 | 51.9 | 47.4 | 44.3 | 39.8 | 38.3 | | | | | | | |
| PS NEXT (min.) | dB/100m | 72.3 | 63.3 | 58.8 | 57.3 | 54.2 | 52.8 | 51.3 | 49.9 | 45.4 | 42.3 | 37.8 | 36.3 | | | | | | | |
| ACR-N (min.) | dB/100m | 72.3 | 61.5 | 55.5 | 53.3 | 48.6 | 46.3 | 43.8 | 41.2 | 32 | 24.5 | 10.8 | 5.5 | | | | | | | |
| PS ACR-N (min.) | dB/100m | 70.3 | 59.5 | 53.5 | 51.3 | 46.6 | 44.3 | 41.8 | 39.2 | 30 | 22.5 | 8.8 | 3.5 | | | | | | | |
| ACR-F (min.) | dB/100m | 67.8 | 55.8 | 49.7 | 47.8 | 43.7 | 41.8 | 39.8 | 37.9 | 31.9 | 27.8 | 21.8 | 19.8 | | | | | | | |
| PS ACR-F (min.) | dB/100m | 64.8 | 52.8 | 46.7 | 44.8 | 40.7 | 38.8 | 36.8 | 34.9 | 28.9 | 24.8 | 18.8 | 16.8 | | | | | | | |
| Return losses (min.) | dB | 20 | 23 | 24.5 | 25 | 25 | 25 | 24.3 | 23.6 | 21.5 | 20.1 | 18 | 17.3 | | | | | | | |