Draka - UC300 26 Cat.5e U/UTP Colour: xx

\*\*UC Data Cable - Draka Office Network Solution

Symmetrical 100 Ω data transmission cables from Universal Cable line UC.. acc. to ISO/IEC 11801, EN 50173 and EIA/TIA 568A are used for high speed data transmission, mainly in secondary and horizontal cabling in standardised, manufacturer-independent local networks (LAN), ranging from Token Ring, Ethernet, ISDN, TPDDI, Fast-Ethernet 100Base-TX to ATMand Gigabit-Ethernet 1000Base-T and CATV. All shielded cables of line UC400 and up are ready for 10 Gigabit Ethernet (IEEE802.3: 10GBase-T).

\*\*TP Cable

Application
Work area and patch cord cable
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Standards
EIA/TIA 568A;
ISO/IEC 11801 2nd ed.; IEC 61156-6
EN 50173-1; EN 50288-3-2

Flame resistance
PVC: IEC 60332-1
LSHF(FRNC): IEC 60332-1; IEC 60754-2; IEC 61034

\*\*TECHNISCHE\_DATEN

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| --- | --- |
| Type | UC300 26 Cat.5e U/UTP |
| Conductor | stranded bare copper wire Ø 0.48 mm (AWG 26) |
| Insulation | Polyethylene, Ø 0.9 mm |
| Twisting | 2 cores to the pair |
| Cable lay up | 4 pairs to the core |
| Sheath | PVC or FRNC, grey RAL 7035 |

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| Minimum bending radius | Without load | ≥ 20 mm |
|   | With load | ≥ 40 mm |
| Temperature range  | During operation | -20°C up to +60°C |
|   | During installation | 0°C up to +50°C |

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| DC Loop resistance |   | ≤ 260 Ω/km |
| Resistance unbalance |   | ≤ 3% |
| Insulation resistance | 500 V | ≥ 2000 MΩ\*km |
| Capacitance | at 800 Hz | Nom. 48 nF/km |
| Capacitance unbalance | (pair to ground) | ≤ 1500 pF/km |
| Characteristic impedance | (1-100 MHz) | (100 ± 15) Ω |
| Nominal velocity of propagation |   | approx. 67% |
| Propagation delay |   | ≤ 535 ns/100m |
| Delay skew |   | ≤ 20 ns/100m |
| Test voltage Core/Core and Core/Screen | (DC, 1 min) | 1000 V |
| Coupling attenuation |   | ≥ 40 dB |

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| F MHZ | Atten-uation dB/10m | NEXT dB min. | NEXT dB nom. | PS- NEXT dB min. | PS- NEXT dB nom. | ELFEXT dB/10m min. | ELFEXT B/10m nom. | PS- ELFEXT dB/10m min. | PS- ELFEXT dB/10m nom. | Return loss dB |
| 1.0 | 0.3 | 65 | 71 | 62 | 68 | 64 | 68 | 61 | 65 | 20 |
| 4.0 | 0.6 | 56 | 62 | 53 | 59 | 52 | 56 | 49 | 53 | 23 |
| 10.0 | 0.9 | 50 | 56 | 47 | 53 | 44 | 48 | 41 | 45 | 25 |
| 16.0 | 1.1 | 47 | 53 | 44 | 50 | 40 | 44 | 37 | 41 | 25 |
| 20.0 | 1.3 | 46 | 51 | 43 | 48 | 38 | 42 | 35 | 39 | 25 |
| 31.2 | 1.6 | 43 | 49 | 40 | 46 | 34 | 38 | 31 | 35 | 24 |
| 62.5 | 2.4 | 38 | 44 | 35 | 41 | 28 | 32 | 25 | 29 | 22 |
| 100.0 | 3.0 | 35 | 41 | 32 | 38 | 24 | 28 | 21 | 25 | 20 |
| 125.0 | 3.3 |   | 40 |   | 37 |   | 26 |   | 23 | 19 |
| 155.5 | 3.6 |   | 38 |   | 35 |   | 24 |   | 21 |   |
| 175.0 | 3.9 |   | 37 |   | 34 |   | 23 |   | 20 |   |
| 200.0 | 4.1 |   | 36 |   | 32 |   | 20 |   | 17 |   |
| 300.0 | 4.8 |   | 34 |   | 31 |   | 16 |   | 13 |   |

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| --- | --- |
| Outerdiameter | 5.2 mm |
| Fire load | 324 MJ/km |
|   | 0.092 kWh/m |
| Weight | 26 kg/km |
| Copper content | 11 |
| Tensile force | 55 N |

Colour = xx: GR (grey), GN (green), BL (blue), GE (yellow), RT (red), OR (orange), SW (black)