Draka - UC300 HS26 Cat.5e SF/UTP Colour: zz

\*\*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
EN 50173-1; EN 50288-2-2
ISO/IEC 11801; IEC 61156-6
TIA/EIA-568-B.2

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

\*\*TECHNISCHE\_DATEN

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| --- | --- |
| Conductor | stranded bare copper wire Ø 0.48 mm (AWG 26/1) |
| Insulation | Polyethylene, Ø 0.95 mm |
| Twisting | 2 cores to the pair |
| Cable lay up | 4 pairs to the core |
| Sreen | Al-laminated plastic foil + Copper braid, tinned |
| Sheath | PVC or LSHF (FRNC) |

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| Minimum bending radius | Without load | ≥ 25 mm |
|   | With load | ≥ 50 mm |
| Temperature range  | During operation | -20°C up to +60°C |
|   | During installation | 0°C up to +50°C |

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| Loop resistance |   | ≤ 340 Ω/km |
| Resistance unbalance |   | ≤ 2% |
| Insulation resistance | 500 V | ≥ 5000 MΩkm |
| Mutual capacitance | at 800 Hz | Nom. 48 nF/km |
| Capacitance unbalance | (pair/ground) | ≤ 1200 pF/km |
| Characteristic impedance | 100 MHz | (100 ± 5) Ω |
| Nominal velocity of propagation |   | ca. 67% |
| Propagation delay |   | ≤ 535 ns/100m |
| Delay skew |   |  20 ns/100m |
| Test voltage | (DC, 1 min) core/core and core/screen | 1000 V |
| Transfer impedance | at 1 MHz | ≤ 30 mΩ/m |
|   | at 10 MHz | ≤ 30 mΩ/m |
|   | at 30 MHz | ≤ 50 mΩ/m |
| Coupling attenuation |   | ≥ 75 dB |

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| F MHZ | Attenuation dB/10m | NEXT dB | PS- NEXT dB | ELFEXT dB/100m | PS- ELFEXT dB/100m | Return loss dB |
| 1.0 | 0.3 | 71 | 68 | 68 | 65 | 23 |
| 4.0 | 0.6 | 62 | 59 | 56 | 53 | 23 |
| 10.0 | 0.9 | 56 | 53 | 48 | 45 | 23 |
| 16.0 | 1.1 | 53 | 50 | 44 | 41 | 23 |
| 20.0 | 1.3 | 51 | 48 | 42 | 39 | 23 |
| 31.2 | 1.6 | 49 | 46 | 38 | 35 | 23 |
| 62.5 | 2.4 | 44 | 41 | 32 | 29 | 23 |
| 100.0 | 3.0 | 41 | 38 | 28 | 25 | 23 |
| 125.0 | 3.3 | 40 | 37 | 26 | 23 | 23 |
| 155.5 | 3.6 | 38 | 35 | 24 | 21 | 23 |
| 175.0 | 3.9 | 37 | 34 | 23 | 20 |   |
| 200.0 | 4.1 | 36 | 33 | 22 | 19 |   |
| 250.0 | 4.4 | 35 | 32 | 20 | 17 |   |
| 300.0 | 4.8 | 34 | 31 | 16 | 13 |   |

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| --- | --- |
| Outerdiameter | 5.7 mm |
| Fire load | 369 MJ/km |
|   | 0.103 kWh/m |
| Weight | 37 kg/km |
| Copper content | 22.5 |
| Tensile force | 100 N |

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