Draka - UC900 SS27 Cat.7 S/FTP 4P LSHF Colour: zz, Dca

\*\*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; 10GBase-T
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
Power over Ethernet (PoE) / Type 1-4

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| Standards | EN 50173-1 |
|   | EN 50288-4-2 |
|   | ISO/IEC 11801 |
|   | IEC 61156-6 |
|   | IEEE 802.3af / at / bt |
| Flame resistance LSHF (FRNC) | IEC 60332-1 |
|   | IEC 60754-2 |
|   | IEC 61034 |
| Reaction to fire (Euroclasses) | Class Dca s2 d2 a1 |

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| Type | DRAKA UC900 FLEX CAT.7 S/FTP 4P LSHF |
| Conductor | stranded bare copper wire AWG 26/7 |
| Insulation | Foam Skin Polyethylene, Ø 1,00 mm |
| Wire color code | blue/white; orange/white; green white; brown/white |
| Twisting | 2 cores to the pair |
| Pair screen | Al-laminated plastic foil |
| Cable lay up | 4 pairs (PiMF) to the core |
| Screen | Copper braid, tinned |
| Sheath | LSHF, Color see type table |

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| Minimum bending radius | Without load | 4 x D |
|   | With load | 8 x D |
| Temperature range | During operation | -20°C to +60°C |
|   | During installation | 0°C to +50°C |

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| Loop resistance |   | 290 Ω /km |
| Resistance unbalance |   | ≤ 3% |
| Insulation resistance | 500 V | ≥ 2000 MΩkm |
| Mutual capacitance | at 800 Hz | Nom. 43 nF/km |
| Capacitance unbalance | (pair/ground) | ≤ 1500 pF/km |
| Mean characteristic impedance | 100 MHz | 100 ± 5 Ω |
| Nominal velocity of propagation |   | ca. 79% |
| Propagation delay |   | 460 ns/100m |
| Delay skew |   | 12 ns/100m |
| Test voltage | (DC, 1 min) core/core and core/screen | 1000 V |
| Transfer impedance | at 1 MHz | 25 mΩ/m |
|   | at 10 MHz | 25 mΩ/m |
| Coupling attenuation |   | 80 dB |

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| F MHZ | Attenuation dB/10m | NEXT dB | ACR dB/100m | ELFEXT dB/100m | Return loss dB |
| 1,0 |   |   |   |   |   |
| 4,0 |   |   |   |   | 24 |
| 10,0 | 1,0 | 90 | 89 | 80 | 25 |
| 16,0 | 1,3 | 90 | 89 | 76 | 25 |
| 20,0 | 1,4 | 90 | 89 | 74 | 25 |
| 31,2 | 1,8 | 90 | 88 | 70 | 25 |
| 62,5 | 2,6 | 90 | 87 | 64 | 23 |
| 100,0 | 3,2 | 87 | 84 | 60 | 21 |
| 155,5 | 4,0 | 84 | 80 | 56 | 19 |
| 200,0 | 4,6 | 82 | 77 | 54 | 18 |
| 250,0 | 5,1 | 81 | 76 | 52 | 18 |
| 300,0 | 5,6 | 80 | 74 | 50 | 17 |
| 600,0 | 7,9 | 75 | 67 | 44 | 17 |
| 750,0 | 8,7 | 73 | 64 | 42 |   |
| 900,0 | 9,7 | 72 | 62 | 41 |   |
| 1000,0 | 10,2 | 71 | 61 | 40 |   |

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| Outerdiameter | 5.9 mm |
| Fire load | 349 MJ/km |
|   | 0.097 kWh/m |
| Weight | 39 kg/km |
| Copper content | 24 |
| Tensile force | 100 N |
| Available colors (zz) | (GR) grey, (GN) green, (BL) blue, (GE) yellow, (RT) red, (OR) orange, (SW) black, (VI) magenta |