



Germanischer Lloyd

# Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 33 778 - 06 HH

Company Draka Comteq Germany GmbH & Co. KG  
Piccoloministr. 2  
51063 Köln, GERMANY

Product Description Halogen free foam-PE insulated and FRNC sheathed twisted pairs data transmission cables

Type UC900 SS27 Cat.7; UC900 SS23 Cat.7;  
UC1500 SS23 Multimedia (Cat.7)

Environmental Category None

Technical Data / Range of Application UC900 SS27 Cat.7

Conductor: Stranded bare copper wire, (AWG 27/7)  
Insulation: Foam skin PE diameter 0,98 mm  
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: FRNC, thermoplastic copolymer (SHF1)

Electrical properties: Loop resistance:  $\leq 340 \Omega / km$   
Mutal capacitance: Nom. 43 nF/km at 800 Hz  
Character. impedance: 100  $\Omega$   
More propertiees according to Draka data sheet

Mechanical properties: Temperature range: -20°C to +60°C (operating)  
Bending radius:  $\geq 25 mm$

Test Standard EN 50173-1:2002; EN 50288-4-2:2003; IEC 11801:2002; IEC 61156-5:2002  
IEC 60332-1:1993; IEC 60332-3-24:2000; IEC 60754-2:1997; IEC 61034:1997

Documents Test report : Draka Comteq reference 2006035\_DA\_summery, dated of 19.09.2006

Remarks None

Valid until 2011-10-09

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Hamburg, 2006-10-10

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## UC900 SS23 Cat.7

**Conductor:** Bare copper wire, 0,56 mm (AWG 23)  
**Insulation:** Foam skin PE, diameter 1,4 mm  
**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:** FRNC, thermoplastic copolymer (SHF1)  
**Electrical properties:** Loop resistance:  $\leq 150 \Omega / \text{km}$   
Motal capacitance: Nom. 43 nF/km at 800 Hz  
Character. impedance: 100  $\Omega$   
More propertiees according to Draka data sheet  
**Mechanical properties:** Temperature range: -20°C to +60°C (operating)  
Bending radius:  $\geq 30 \text{ mm}$

## UC1500 SS23 Multimedia

**Conductor:** Bare copper wire, 0,57 mm (AWG 23)  
**Insulation:** Foam skin PE, diameter 1,4 mm  
**Twisting:** 2 cores to the pair  
**Pair screen:** Al-laminated plastic foil  
**Cable lay up:** 2 x 2 pairs to the core  
**Screen:** Copper braid, tinned  
**Sheath:** FRNC, thermoplastic copolymer (SHF1)  
**Electrical properties:** Loop resistance:  $\leq 135 \Omega / \text{km}$   
Motal capacitance: Nom. 43 nF/km at 800 Hz  
Character. impedance: 100  $\Omega$   
More propertiees according to Draka data sheet  
**Mechanical properties:** Temperature range: -20°C to +60°C (operating)  
Bending radius:  $\geq 35 \text{ mm}$

**Application limitations:** The UC900 SS23 and the UC1500 S S23 cable can be used for non-essential data communications.

**Place of production:** Draka Comteq / Cable Solutions EMEA, Wohlaue Str. 15, D-90475 Nürnberg

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