DATASHEET

ICS IE UC900 SS23 Cat.7 (L)H + armouring + PE, UV-resistant, black

General data

The data cable is an installation cable with a thick-walled polyethylene outer sheath and armouring, suitable for **direct burial**, **UV-resistant** Suitable for transmission rates up to **1000 MHz**. **A reinforcement of galvanized steel wire mesh serves as rodent protection.** Due to a LSZH-interjacket, the cable is suitable for the use inside the building after removing the PE-jacket. The cable exceeds the requirements of the category 7 and lower with the electrical transmission properties. Suitable for structured cabling of Class E, EA, F according to ISO/IEC 11801 (AMD 2:2009) resp. EN 50173-1 (2009). With this cable, transmission rates up to 10 GBit according to IEEE 802.3 are possible.

Technical properties	
AWG-size	23/1
Armour	Galvanized steel wire braid
Bending radius (dynamic)	80 mm
Cable	EN 50288-4-1 900
Cable silicone free	True
Cable structure	S/FTP
Cable type	Draka UC900 SS23 PE + BW + UV
Cabling standards	ISO/IEC 11801
Category	7
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 1 = solid
Conductor material	Copper, bare
Core identification	Colour
Core insulation	Foam-Skin-PE

DATASHEET

ICS IE UC900 SS23 Cat.7 (L)H + armouring + PE, UV-resistant, black

Coupling attenuation	≤ 85 dB
Diameter conductor	0.56 mm
Directive/Regulation	RoHS 2011/65/UE
Euro class	none
Flame retardant	False
Halogen free	No
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 5000 MOhm/km
Loop resistance	154 Ohm/km
Low smoke	No
Material outer sheath	Polyethylene (PE)
Max. Freuqency	MHz MHz
NVP value	79 %
Nominal cross section conductor	0.26 mm²
Operating capacity	43 pF/km
Operating temperature, fix	-20 – 75 °C
Operating temperature, flexible	0 – 50 °C
Operating temperature, storage	-20 – 60 °C
PoE	acc. to IEEE802.3af PoE
Resistance unbalance	2 %
Screen over stranding	braiding
Screen over stranding element	Foil
Separation class acc. EN50174-2	D
Stranding element	Pairs
Test voltage DC, 1 min	1000 V
Transmission standards	IEEE 802.3 10Mbit bis 10Gbit
UV resistant	True

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	RAL colour	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.

This datasheet was created automatically on 09-10-2026 . Technical changes reserved.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

DATASHEET

ICS IE UC900 SS23 Cat.7 (L)H + armouring + PE, UV-resistant, black

99739.1	ICS IE UC900 SS23 Cat.7 (L)H + armouring + PE, UV-resistant, black	black	1.0 m	8	RAL 9005	simplex	38 kg/km	228 kg/km	340 N	13.5 mm

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION