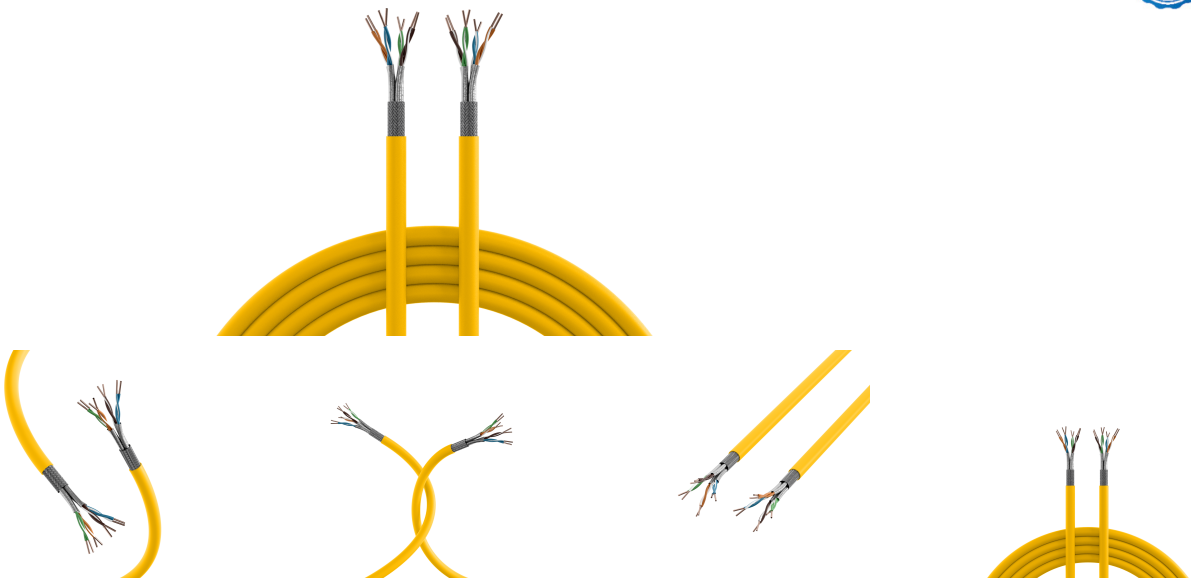
DATASHEET

UC FUTURE C22 Cat.8.2 S/FTP 4P 2GHz, LSHF-FR



General data

The DRAKA Cat.8.2 S/FTP installation cable in yellow is designed for high-performance network cabling. The S/FTP design with FRNC-C sheath supports stable data connections up to 2000 MHz and is therefore suitable for modern installations with high bandwidth. The RAL 1021 version complements structured networks with a clearly recognisable colour code.

• 2000 MHz Cat.8.2 bandwidth – Supports transmission standards from IEEE 802.3 10Mbit to 40Gbit and creates scope for high-performance networks.
• S/FTP design with braid shielding – Reduces interference and supports stable signal quality in demanding cabling.
• FRNC-C jacket in yellow with RAL 1021 – Is halogen-free according to EN 60754-1/2, complies with RoHS 2011/65/UE and complements the installation with a contemporary choice of materials.

The cable is designed as a simplex and uses 22/1 conductors with 8 wires. The dynamic bending radius of 40 mm facilitates installation in structured network environments. The braided shielding supports decoupling from external influences. The design is intended for PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt.

Technical details
• Brand: DRAKA
• Category: Cat.8.2
• Transmission standards: IEEE 802.3 10Mbit to 40Gbit

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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
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DATASHEET

UC FUTURE C22 Cat.8.2 S/FTP 4P 2GHz, LSHF-FR

- Max. frequency: 2000 MHz
- Cable construction: S/FTP
- PoE: after IEEE802.3af PoE, after IEEE802.3at PoE+, after IEEE802.3bt 4PPoE
- AWG cross-section/number of wires: 22/1
- Number of cores: 8
- Type: simplex
- Sheath material: FRNC-C
- Sheath colour: Yellow
- RAL colour: RAL 1021
- Armour: without
- Bend radius (dynamic): 40 mm
- Directive/Regulation: RoHS 2011/65/UE
- Euroclass: Dca
- Halogen-free: according to EN 60754-1/2
- Shield over stranding: braid

Technical properties	
AWG-size	22/1
Armour	none
Bending radius (dynamic)	40 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	S/FTP
Cable type	Draka UC FUTURE C22 Cat.8.2
Cabling standards	ISO/IEC 11801
Category	8.2
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 1 = solid
Conductor material	Copper, tinned
Core identification	Colour
Core insulation	Foam-Skin-PE
Coupling attenuation	≤ 85 dB
Diameter conductor	0.64 mm
Directive/Regulation	RoHS 2011/65/UE
Euro class	Dca
Flame retardant	acc. to IEC/EN 60332-1
Halogen free	acc. to EN 60754-1/2
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 5000 MOhm/km

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UC FUTURE C22 Cat.8.2 S/FTP 4P 2GHz, LSHF-FR

Loop resistance	130 Ohm/km
Low smoke	acc. to EN 61034-2
Material outer sheath	FRNC-C
Max. Freuqency	2000 MHz
NVP value	73 %
Operating capacity	43 pF/km
Operating temperature, fix	-20 – 60 °C
Operating temperature, flexible	0 – 50 °C
Operating temperature, storage	-20 – 60 °C
PoE	acc. to IEEE802.3af PoE
Resistance unbalance	1 %
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 40Gbit
UV resistant	Nein

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	RAL colour	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
99827.1	UC FUTURE C22 Cat.8.2 S/FTP 4P 2GHz, LSHF-FR	yellow	1.0 m	8	RAL 1021	simplex	47 kg/km	80 kg/km	340 N	8.5 mm	674 MJ/km
99827.100	UC FUTURE C22 Cat.8.2 S/FTP 4P 2GHz, LSHF-FR 100m	yellow	100.0 m	8	RAL 1021	simplex	47 kg/km	80 kg/km	340 N	8.5 mm	674 MJ/km
99827.500	UC FUTURE C22 Cat.8.2 S/FTP 4P 2GHz,LSHF-FR 500m	yellow	500.0 m	8	RAL 1021	simplex	47 kg/km	80 kg/km	340 N	8.5 mm	674 MJ/km

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.

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