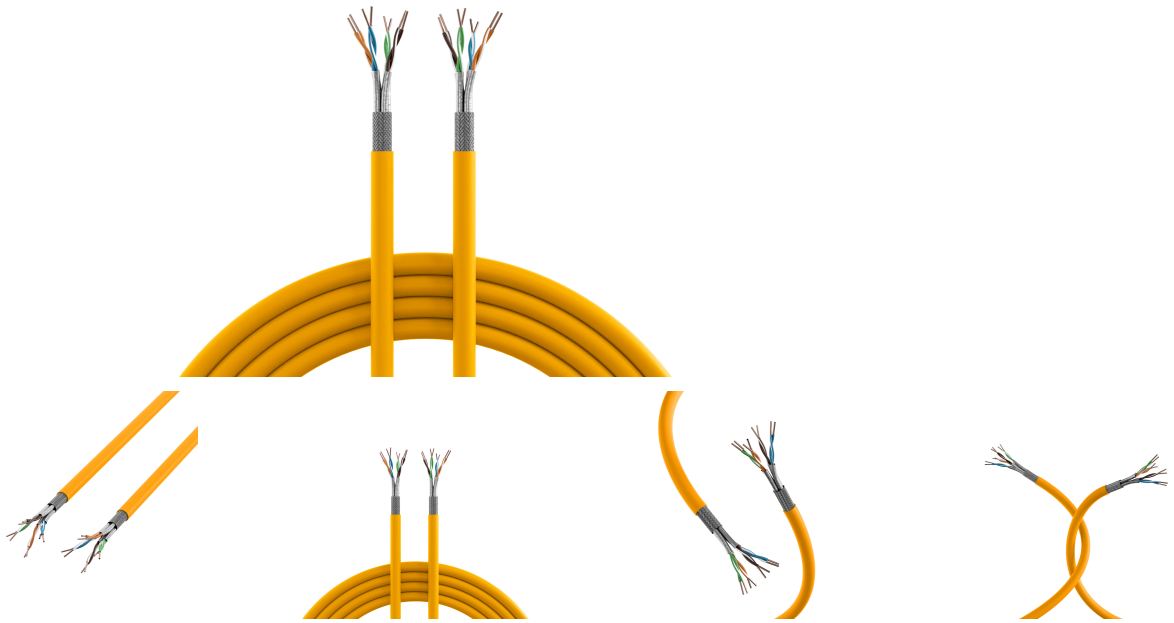
DATASHEET

INFRALAN Cat.7A 1500 AWG22 S/FTP 4P CPR Cca melon yellow RAL1028, 100m



General data

The halogen-free data cable Cat.7A S/FTP in yellow from DRAKA is designed for high-performance network cabling. The S/FTP design with foil shielding supports stable data connections up to 1500 MHz and is therefore suitable for modern installations with high bandwidth.

• 1500 MHz Cat.7A bandwidth – Supports transmission standards from IEEE 802.3 10Mbit to 10Gbit and creates reserves for high-performance networks.
• S/FTP setup with foil shielding – Reduces interference and supports stable signal quality in demanding cabling.
• LSZH jacket in yellow with Euroclass Cca and RAL 1028 – Is halogen-free according to EN 60754-1/2, complies with RoHS 2011/65/UE and complements the installation with a standard-compliant choice of materials.

The version with 22/1 conductors and a dynamic bending radius of 40 mm facilitates installation in structured network environments. The design is intended for PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt. The version without reinforcement supports a clear and practical installation, while the LSZH jacket covers the material requirements in demanding environments.

Technical details
• Brand: DRAKA
• Category: 7A

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- Transmission standards: IEEE 802.3 10Mbit to 10Gbit
- Max. frequency: 1500 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
- Sheath material: LSZH
- Sheath colour: Yellow
- RAL colour: RAL 1028
- Armour: without
- Bend radius (dynamic): 40 mm
- Directive/Regulation: RoHS 2011/65/UE
- Euroclass: Cca
- Halogen-free: according to EN 60754-1/2
- Shield over stranding: foil

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	EFB Cat.7A S/FTP 1500 AWG22 Cca
Cabling standards	ISO/IEC 11801
Category	7A
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 1 = solid
Conductor material	Copper, bare
Core identification	Colour
Core insulation	Foam-Skin-PE
Coupling attenuation	≥ 80 dB
Diameter conductor	0.62 mm
Directive/Regulation	RoHS 2011/65/UE
Euro class	Cca
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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Loop resistance	128 Ohm/km
Low smoke	acc. to EN 61034
Material outer sheath	LSZH
Max. Freuqency	MHz MHz
NVP value	79 %
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	2 %
Screen over stranding	foil
Screen over stranding element	Braiding
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	no

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
999834.1-CPR	INFRALAN Cat.7A 1500 AWG22 S/FTP 4P CPR Cca melon yellow RAL1028	yellow	1.0 m	8	RAL 1028	simplex	35 kg/km	67 kg/km	150 N	7.7 mm	645 MJ/km
999834.100-CPR	INFRALAN Cat.7A 1500 AWG22 S/FTP 4P CPR Cca melon yellow RAL1028, 100m	yellow	100 m	8	RAL1028	simplex	35 kg/km	67 kg/km	150 N	7.7 mm	645 MJ/km

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999834DX.500-CPR	INFRALAN Cat.7A 1500 AWG22 S/FTP 2x4P CPR Cca melon yellow RAL1028, 500m	yellow	500 m	2x8	RAL 1028	duplex	70 kg/km	134 kg/km	150 N	7.7x15.4 mm	645 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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