

# CCT70S-CCA

Networking cable - CAT7 - S/FTP - solid 0.25 mm<sup>2</sup> - 23 AWG - EN50399 CPR Euroclass Cca-s1a,d1,a1

## Highlights:

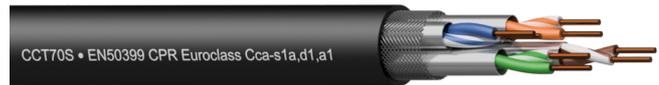
- EN50399 CPR Euroclass Cca-s1a,d1,a1
- 600 Mhz performance, up to 10GBase-T
- IEC 60332-1 NHFR compliant
- Al-foil individual & braided overall shielding

## Product information:

The CCT70S-Cca is a CAT7 installation networking cable compliant to the Cca standard of the Construction Product Regulation (CPR) regarding fire and flammability resistance in fixed installations, minimizing toxic smokes and providing optimal resistance to spreading fire.

In addition to its outstanding fire properties, the outer jacket of the cabling is smooth and durable for easy installation and pulling. The cable consists of 4 individually shielded twisted pair cables with solid 23 AWG conductors, overall braided shielding is provided to reduce crosstalk and system noise to a minimum resulting in higher bandwidth and improved immunity against noise and interference caused by external devices. Providing an optimized solution for 100Base-T, 1000Base-TX and 10GBase-T gigabit networks.

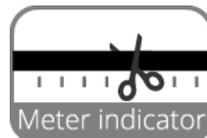
More information about CPR compliant cables? [Click here](#)



## Certification:



## Properties:



## Inner Conductors:



## Shielding:



## Product Features:

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Application	null
Series	null

## Physical Characteristics:

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Type of cable	S/FTP CAT7 Networking cable		
EN50399 CPR Euroclass	Cca-s1a,d1,a1		
Inner conductor	Material	BC 1 x 0.566 mm (Ø) (OFC)	
	Section	0.00039 "²	
	Number of conductors	8 (4 pairs)	
Insulation	Colours	Green / White & Green ; Blue / White & Blue ; Orange / White & Orange ; Brown / White & Brown	
	Material	Foamed PE 1.3 mm Ø	
	American Wire Gauge	23 AWG	
	Shielding	Aluminium foil	Aluminium foil 100% coverage - 25% Overlap
Separator	None		
Overall shielding	Braiding	TC 10 x 8 x 0.08 mm (Ø) (OFC)	
Outer jacket	Material	LSHF 7.8 mm (Ø)	
	Colours	Black	

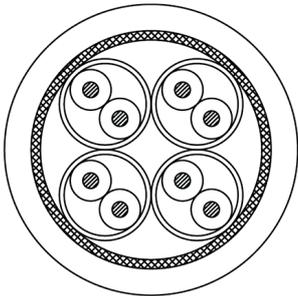
## Standards & regulations:

RoHS2 compliant	Accordinging EU Directive 2011/65/EU
Reach compliant	Accordinging EC 1907/2006
CPR Euroclass	Cca-s1a,d1,a1
Flammability test	Accordinging EN 60332-1-2
Indoor / outdoor	UV resistant (UL1581, UVA, 720 h)
Smoke emissions	Accordinging IEC 61034
Zero halogen compounds	Accordinging EN 50267-2-1 IEC 60754

## Mechanical Characteristics:

Temperature range	Fixed installation	- 41 °F till + 176 °F
	Mobile installation	- 59 °F till + 176 °F
UV resistant		Yes

## Cross sections:



## Electrical Characteristics:

Max. Delay / Skew		<25 (ns / 3937.0079 ")
Rated voltage		300 V
Nom. Velocity of propagation		76 %
Characteristic impedance		100 Ω ± 15 Ω
Max. conductor	DC resistance	7.9 Ω / 100 m
	DC resistance unbalanced	< 2 %
Nom. mutual capacitance		≤ 5.6 (nF / 100 m)
Pair to ground capacitance unbalance		≤ 330 (pF / 100 m)