

Highlights:

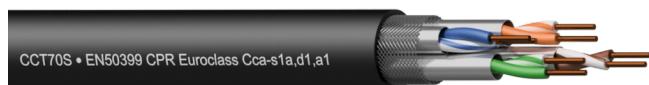
- EN50399 CPR Euroclass Cca-s1a,d1,a1
- 600 Mhz performance, up to 10GBase-T
- IEC 60332-1 NHFR compliant
- Al-foil individual & braided overall shielding

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:

Application	AV & IT
Series	Contractor Series

Physical Characteristics:

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

Electrical Characteristics:

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

Mechanical Characteristics:

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

Cross sections:

