

# CCT60U-DCA Networking cable - CAT6 - U/UTP - solid 0.25 mm² - 23 AWG EN50399 CPR Euroclass Dca-s2,d1,a1

# Highlights:

- EN50399 CPR Euroclass Dca-s2,d1,a1
- · 250 Mhz performance, up to 1000Base-T
- "+" Shaped separator to reduce crosstalk

#### Product information:

The CCT60U-Dca is a CAT6 installation networking cable compliant to the Dca 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 improved fire properties, the outer jacket of the cabling is smooth and durable for easy installation and pulling. The cable consists of 4 twisted pair cables with solid 23 AWG conductors and a "+" shaped separator. This way, crosstalk and system noise is reduced to a minimum, resulting in higher bandwidth and improved immunity against noise and interference caused by external devices. Providing an optimized solution for 10Base-T, 100Base-TX and 1000Base-T gigabit networks.

More information about CPR compliant cables? Click here



#### Certification:



#### **Properties:**







#### Inner Conductors:



#### **Product Features:**

**Application** AV & IT

Series Contractor Series

# Physical Characteristics:

Type of cable			U/UTP CAT6 Networking cable
EN50399 CPR Euroclass			Dca-s2,d1,a1
Inner conductor	Material		BC 1 x 0.56 mm (Ø) (OFC)
	Section		0.00039 "2
	American Wire Gauge		23 AWG
	Insulation	Colours	Green / White & Green ; Blue / White & Blue ; Orange / White & Orange ; Brown / White & Brown
		Material	HDPE 0.038 " (Ø)
	Number of conductors		8 (4 pairs)
	Conductor twisting		Yes
Separator			+ shaped separator
Outer jacket	Material		LSHF 6 mm (Ø)
	Colours		Black

# Standards & regulations:

RoHS2 compliant	According EU Directive 2011/65/EU	
Reach compliant	According EC 1907/2006	
CPR Euroclass	Dca-s1,d0,a3	
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	

## Mechanical Characteristics:

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

# **Electrical Characteristics:**

Max. conductor	DC resistance	8.2 Ω / 100 m
	DC resistance unbalanced	< 2 %
Max. Delay / Skew		<45 (ns / 3937.0079 ")
Rated voltage		300 V
Nom. Velocity of propagation		69 %
Characteristic impedance		100 Ω ± 15 Ω
Nom. mutual capacitance		≤ 5.6 (nF / 100 m)
Pair to ground capa	acitance unbalance	≤ 160 (pF / 100 m)

### Cross sections:

