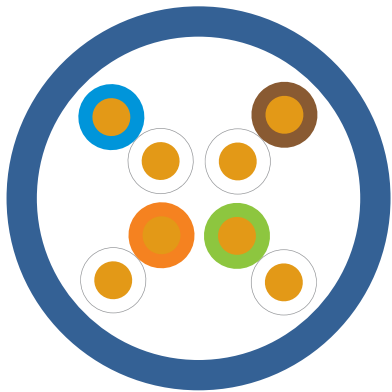


C6U-Dca Cat 6 U/UTP 24AWG Euroclass Cables

APPLICATION

Leviton Category 6 U/UTP 24 AWG cables meet Category 6 performance standards. They are rated to 250 MHz and are suitable for use in all Class E structured wiring cable systems. This cable supports Gigabit Ethernet, Power over Ethernet (PoE), voice, and broadband video transmissions at frequencies of up to 250 MHz.



COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/ns/warranty](https://leviton.com/ns/warranty)

FEATURES & BENEFITS

- 24 AWG solid annealed copper wire
- Polyolefin core Insulation
- 4 unshielded twisted pairs cabled together
- Designed to support all class E protocols, including Gigabit Ethernet
- HFFR-LS (Halogen Free Flame Retardant – Low Smoke) jacket enables the cable to meet the requirements of the Construction Products Regulation (CPR) EuroClass Dca and UL 1666 Riser (CMR)
- Designed and manufactured in a carbon neutral facility in the UK
- Delivered in 100% recyclable packaging

STANDARDS & REGULATIONS

- ISO/IEC 11801 Class E
- IEC 61156-5
- EN50173-1
- EN 50288-6-1
- ANSI/TIA 568.2-D
- IEEE 802.3 PoE Type 1, 2, 3, 4 (100 watts max)
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)

PRODUCT SPECIFICATIONS
C6U-Dca Cat 6 U/UTP 24AWG Euroclass Cables

CHARACTERISTICS	
Installation Characteristics	
Min. Bend Radius (Installation)	8 x Outer Diameter
Min. Bend Radius (Operation)	4 x Outer Diameter
Field Test NVP Value	0.68
Temp. (Installation)	0 °C to +50 °C (+32 °F to +122 °F)
Temp. (Operating)	-20 °C to +60 °C (-4 °F to +140 °F)
Max. Tensile Load (Installation)	10kg per simplex cable
Segregation Class	Class B

REACTION TO FIRE			
Characteristic	IEC Standard	EN Standard	Rating
Classification / EuroClass	—	EN 13501-6 EN 50575	Dca s2 d2 a1
Single Cable Flame Rating	IEC 60332-1-2	EN 60332-1-2	Pass
Smoke Emissions	—	EN 13501-6	s2
Acid Gas Emissions	IEC 60754	EN 60754	a1
Bundled Flame Rating	—	—	UL 1666 Riser (CMR)

TECHNICAL SPECIFICATIONS		
Primary Electrical Properties		
CHARACTERISTIC	SPECIFICATION	TYPICAL PERFORMANCE
Conductor Loop Resistance	Max 19 Ω/100 m	16Ω/100 m
Conductor Resistance Unbalance	Max 2%	0.1%
Insulation Resistance	>5GΩ.km	>50GΩ.km
Dielectric Strength	2500 Vdc/2secs	Pass

TECHNICAL SPECIFICATIONS		
Secondary Electrical Properties		
CHARACTERISTIC	SPECIFICATION	TYPICAL PERFORMANCE
Velocity of Propagation	<534nsec/100m @ 100 MHz	490nsec/100m @ 100 MHz
Delay Skew	Max 45nsec/100m @100 MHz	30nsec/100m @ 100 MHz
Mean Character Impedance	100Ω +/- 5Ω @ 100 MHz	100Ω ± 3Ω @ 100 MHz
Transfer Impedance	≥50-10log(f)dB	61dB @ 10MHz

PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS						
Freq.	IL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)	RL (dB)
MHz	Standard	Standard	Standard	Standard	Standard	Standard
1	2.0	75.3	72.3	67.8	64.8	20.0
4	3.8	66.3	63.3	58.0	55.0	23.0
10	6.0	60.3	57.3	50.0	47.0	25.0
20	8.5	55.8	52.8	44.0	42.0	25.0
100	19.9	45.3	42.3	30.0	27.0	20.1
200	29.0	40.8	37.8	24.0	21.0	18.0
250	32.8	39.3	36.3	22.0	19.0	17.3

The standard values shown are the most demanding taken from the relevant IEC, TIA and EN specifications.
 These standard values are the maximum permissible for Insertion Loss and the minimum permissible for other parameters

C6U-Dca Cat 6 U/UTP 24AWG Euroclass Cables

PRODUCT SPECIFICATIONS
C6U-Dca Cat 6 U/UTP 24AWG Euroclass Cables



C6U-Dca Cat 6 U/UTP 24AWG Euroclass Cables

STANDARD PACKAGING SPECIFICATIONS - REELS

Description	Color	Length (m)	Nominal Cable Dia. (mm)	Nominal Cable Weight (kg/km)	Reel Size Flange Dia. x Width (mm)	Gross Weight (kg/Item)	Items Per Pallet	Part No.
Cat 6 U/UTP Cable, Euroclass Dca	Blue †	500	5.4	39.5	400 x 320	21.8	36	C6U-Dca-500BU4
Cat 6 U/UTP Cable, Euroclass Dca	White †	500	5.4	39.5	400 x 320	21.8	36	C6U-Dca-500WH4

† Also available in a range of non-standard colors

STANDARD PACKAGING SPECIFICATIONS - BOXES

Description	Color	Length (m)	Nominal Cable Dia. (mm)	Nominal Cable Weight (kg/km)	Reel Size Flange Dia. x Width (mm)	Gross Weight (kg/Item)	Items Per Pallet	Part No.
Cat 6 U/UTP Cable, Euroclass Dca	Blue †	305	5.4	39.5	405 x 265 x 372	12.8	45	C6U-Dca-B305BU4
Cat 6 U/UTP Cable, Euroclass Dca	White †	305	5.4	39.5	405 x 265 x 372	12.8	45	C6U-Dca-B305WH4

† Also available in a range of non-standard colors

For further support information, visit Leviton.com/ns/support

Page 3 of 3

USA
 Network Solutions Headquarters
 +1 (800) 722.2082
infoUSA@leviton.com
 Leviton Cable (formerly Berk-Tek)
 +1 (800) 237 5835 | infoUSA@leviton.com

Asia Pacific
 +852 3620 2602
infoAPAC@leviton.com

Canada
 +1 (800) 461 2002
infoCanada@leviton.com

Europe
 +44 (0) 1592 772124
infoEurope@leviton.com

Latin America
 MX: +52 (55) 2128 6286
 LATAM: +52 (55) 2333 5963
infoLATAM@leviton.com

Middle East & Africa
 +971 (4) 247 9800
infoMEA@leviton.com

NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT LEVITON.COM/NS TO LEARN MORE.