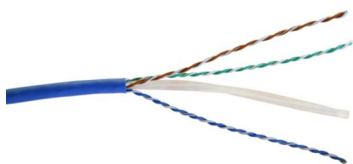


Product sheet



LCS³ LEGRAND

Cable category 6 U/UTP 4 pairs LSZH Euroclass Dca
500 meters blue

REF. 032861 | EAN. 3245060328610

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Product characteristics

- Category 6 U/UTP : for up to 1 Gigabit per second data rate, unshielded cable
- 4 pairs cable
- Low Smoke Zero Halogen materials that emit limited smoke and no halogen when exposed to high sources of heat.
- Euroclass Dca offers adequate reaction to fire with a certification of compliance from an independent laboratory.
- Power over Ethernet : 802.3 bt PoE++ applications compatible according to installation standards ISO/IEC 14763-2 (final draft) and EN 50174-2 : 2018

Recommendation / Restriction

- Compliant with ISO/IEC 11801 and ANSI/TIA 568 standards

Technical characteristics

Cable type	U/UTP
Duplex	No
Conductor material	Copper
Conductor surface	Bare
Diameter conductor	0.56 mm
Nominal cross section conductor	0.25 mm ²
AWG size	23
Conductor category	Class 1 = solid

The product's benefits

Usage

- For the safety of people , Low Smoke Zero Halogen materials emit limited smoke and no halogen when exposed to high sources of heat. For the safety of goods, Euroclass Dca offers adequate reaction to fire with a certification of compliance from an independent laboratory.

Low smoke according to EN IEC 61034-2	Yes
Halogen free according to EN IEC 60754-1	Yes
Halogen free according to EN IEC 60754-2	Yes
Halogen free according to EN IEC 60754-3	No
Reaction-to-fire according to EN 13501-6: Class	Dca
Reaction-to-fire according to EN 13501-6: Smoke production	s2
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles	d2
Reaction-to-fire according to EN 13501-6: Acidity	a1

Number of cores	8
Number of stranding elements	4
Stranding element	Pairs
Material core insulation	Other
Specification core insulation	Polyethylene (PE)
Core identification according to HD 308 S2	No
Core identification	Colour
Screen over stranding element	None
Stranding	Bundle
Screen over stranding	None
Longitudinal water blocking cable	No
Radial water blocking cable	Yes
Suitable for underground installation	No
Approved type of underground installation	Other
Protective sheath	None
Material outer sheath	Other
Specification material outer sheath	Polyethylene (PE)
Colour outer sheath	Blue
Armouring/reinforcement	None
Cable geometry	Round
Flame retardant according to IEC 60332-1-2	Yes
Flame retardant according to IEC 60332-3-21 (Cat A F/R)	No
Flame retardant according to IEC 60332-3-22 (Cat A)	No
Flame retardant according to IEC 60332-3-23 (Cat B)	No
Flame retardant according to IEC 60332-3-24 (Cat C)	No
Flame retardant according to IEC 60332-3-25 (Cat D)	No

Circuit integrity according to IEC 60331-23	No
Oil resistant according to EN IEC 60811-404	No
Outer diameter approx.	6.2 mm
Min. permitted bending radius, moving application with forced guidance	50 mm
Min. permitted bending radius, moving application/free movement	48 mm
Permitted cable outer temperature during assembling/handling	0-50 °C
Permitted cable outer temperature after assembling without vibration	-20-60 °C
Category	6
NVP value	66 %
UV resistant	No
Certified for shipboard application	No
Suitable as telephone cable	Yes
Suitable as computer data cable	Yes
Suitable as signalling cable	No
Suitable for use as security alarm cable	No
Drain wire	No
With rip cord	No
Cable width approx.	5.9 mm
Cable height approx.	5.9 mm
Weight	39 kg/km
Characteristic impedance	100 Ohm
Compatible with Grade2TV according to XP-C 90-483	No
Compatible with Grade3TV according to XP-C 90-483	No
Storage temperature	-20-60 °C
RAL-number	5015

Documentation

TECHNICAL DOCUMENTATION

 S000099459EN-03.pdf | PDF (0.09Mo)

 S000099459FR-03.pdf | PDF (0.11Mo)

Agreements & Certificates

CATALOGUE PAGE & OTHERS

 ex223001_0874.pdf | PDF (0.07Mo)

 ex223001_0985.pdf | PDF (0.12Mo)

-  AoC-CL2_Cat6UTP3275432861ac1181025 | (0.07Mo)
-  LGRP-00549-V03.01-EN.pdf | PDF (0.82Mo)
-  AoC-PL2_Cat6_UTP_32754_ac1181024 | (0.07Mo)
-  AoC-PL3_Cat6_UTP_32754_ac1181026 | (0.07Mo)
-  LGRP-00550-V01.01-EN.pdf | PDF (0.57Mo)
-  DOP-DoP O-CO_011-12305-B | (1.08Mo)
-  DOP-DoP O-CO_011-12201-A | (0.64Mo)