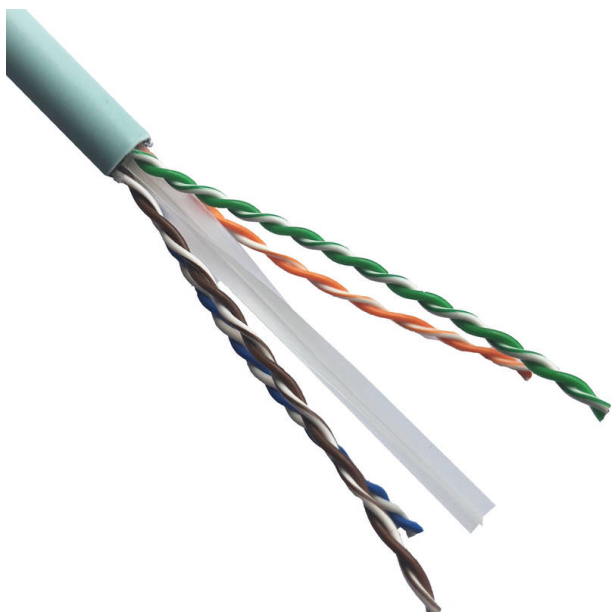


Excel Category 6A Cable U/UTP
23AWG B2ca LS0H 500m Reel -
Ice Blue

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Item Code: 190-219



✕ Category 6A performance

✕ Suitable for 10 Gigabit Ethernet applications

✕ Lightweight compact round design

✕ Sequential metre markings

✕ Euroclass B2ca-s1a-d0-a1

Product Overview

Excel Category 6A Unscreened cable takes the performance capabilities of copper infrastructure to new levels. Designed to the current ISO EN and TIA standards for Class EA/Category 6A performance this cable is intended to deliver reliable, high network performance over permanent link distances of up to 90 metres and channels up to 100m, including applications such as 10GBASE-T, 10 Gigabit Ethernet.

The print legend on the cable now includes information regarding the DOP number, Test and Classification of the cable for traceability.

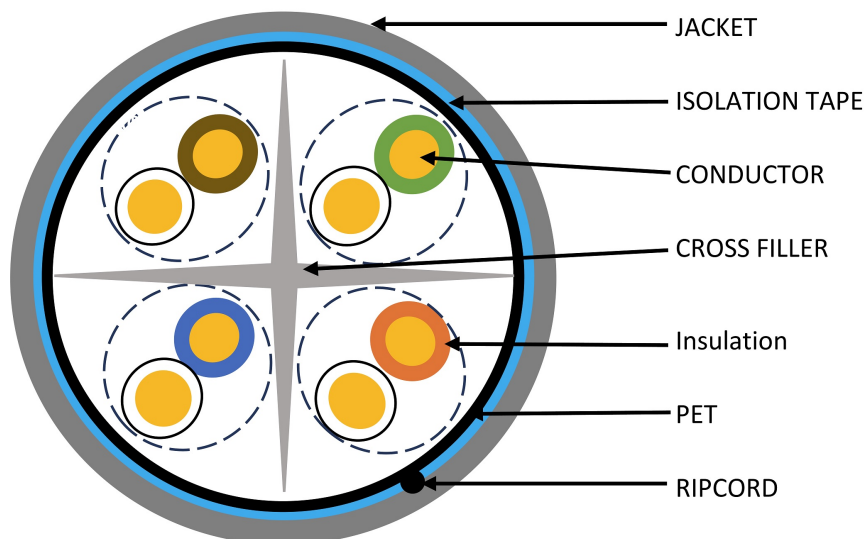
Product Specifications

Feature	Values
Category	6A (IEC)
Overall screening	None
Conductor screening	None
Outer sheath colour	Ice Blue
Reaction-to-fire class according to EN 13501-6	B2ca
Smoke development class according to EN 13501-6	s1a
Euro class flaming droplets/particles according to EN 13501-6	d0
Euro class acidity according to EN 13501-6	a1
AWG-size	23
Specification core insulation	PE

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Core identification	Colour
Outer sheath material	Copolymer
Halogen free (acc. EN 60754-1/2)	Yes
Flame retardant	In accordance with EN 60332-1-2 and EN 50399
Low smoke (acc. BS EN 61034-2)	Yes
Outer diameter approx.	7 mm
Installation Temperature Range	0...50 °C
Operating Temperature Range	-20...60 °C
NVP value	65 %
Conductor category	Class 1 = solid
Total number of cores	8
Stranding element	Pairs
Conductor surface	Bare

Cross-section diagram



Cable specifications

Features	Values
Pair-to-Ground Capacitance Unbalance	$\leq 1600\text{pF/km}$
Mutual Capacitance	$\leq 5.6\text{nF/100m}$ Mutual
Max.Delay Skew(ns/100m)	$\leq 45\text{ns/100m}$
Max.Conductor DC Resistance @ 20 Deg.C	93.8 (Ohm/km)
Min.Insulation Resistance(Mohm.km)	5000
Dielectric strength	1000v DC
Maximum Pulling Load	25N
MBR during installation	8x cable OD
MBR installed	4x cable OD
Cable weight	0.048g per mtr / 48.2 kgs per km

Standards

Applicable standard	Subject
ISO/IEC 11801-1:2017	Information technology - Generic cabling for customer premises: Part 1 General Requirements
IEC 61156-5:2009+AMD1:2012 CSV	Multicore and symmetrical pair/quad cables for digital communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Horizontal floor wiring - Sectional specification
EN 50173-1:2011	Information technology. Generic cabling systems - General requirements
EN 50173-2:2007 + A1:2010	Information technology. Generic cabling systems - Office premises
BS EN 50288-6-1:2013	Multi-element metallic cables used in analogue and digital communication and control. Sectional specification for unscreened cables characterised up to 250 MHz
EN 50399:2011+A1:2016	Common test methods for cables under fire conditions. Heat release and smoke production measurement on cables during flame spread test. Test apparatus, procedures, results
IEC 60332-1-2:2004	Tests on electric and optical fibre cables under fire conditions. Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame
ANSI/TIA 568-2.D	Balanced Twisted-Pair Telecommunications Cabling and

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	Components Standards
IEC 60754-2:2011	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 61034-2:2005+A1:2013	Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements
EN 50575:2014 + A1:2016	Power, control and communication cables — Cables for general applications in construction works subject to reaction to fire requirements
RoHS	Restriction of Hazardous Substances - Compliant

Part Number Table

Part Number	Description
100-219	Excel Category 6A Cable U/UTP 23AWG Dca LS0H 500m Reel - Ice Blue
100-219-WT	Excel Category 6A Cable U/UTP 23AWG Dca LS0H 500m Reel - White
190-219	Excel Category 6A Cable U/UTP 23AWG B2ca LS0H 500m Reel - Ice Blue

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

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