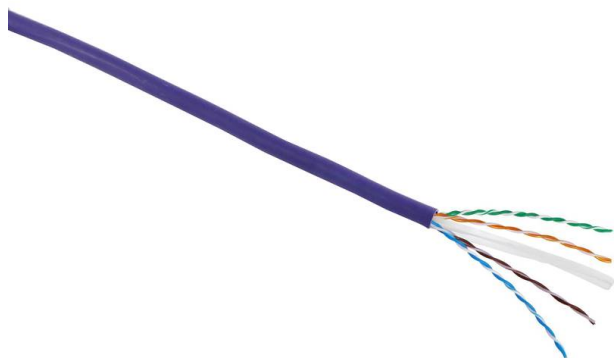


# Excel Category 6 Cable U/UTP 24AWG Dca LS0H 305m Box - Violet

Item Code: 100-080

**excel**  
without compromise.



✕ Category 6

✕ 24 AWG

✕ ISO 11801

✕ 25 Year Warranty

✕ Sequential metre marking

✕ Fast feed box

## Product Overview

Excel Category 6 U/UTP reduced diameter cables are manufactured and tested to the TIA/EIA 568-B.2-1, EN50173-1 and ISO/IEC 11801 Category 6 specifications. Each cable consists of 8 colour coded 24 AWG polyethylene insulated conductors. These are twisted together to form 4 pairs with varying lay lengths. These pairs are then formed around a central 'X' shaped polyethylene filler. This filler assists in maintaining and enhancing the cable's performance.

The printing detail along the outer sheath includes the cable part code, specification detail and our 305 to 0 metre marked system. As the cable is dispensed from the box, the sequential marking counts down from 305 to 0 metres. As well as reducing waste and accounting easily for cables installed, this innovative print legend finally removes the guesswork from assessing the amount of cable remaining in partly used boxes.

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	6
Overall screening	None
Conductor screening	None
Outer sheath colour	Violet
Reaction-to-fire class according to EN 13501-6	Dca
Smoke development class according to EN 13501-6	s2
Euro class flaming droplets/particles according to EN	d2

# Excel Category 6 Cable U/UTP 24AWG Dca LS0H 305m Box - Violet

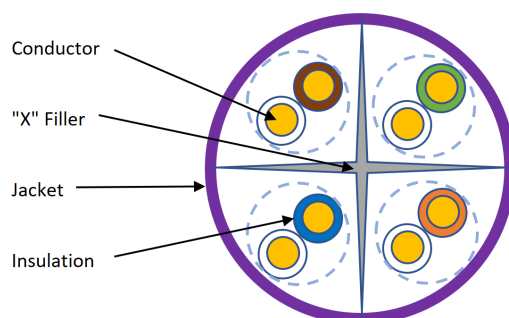
Item Code: 100-080



13501-6

Euro class acidity according to EN 13501-6	a1
AWG-size	24
Specification core insulation	PE
Core identification	Colour
Outer sheath material	Copolymer
Flame retardant	In accordance with EN 60332-1-2 and EN 50399
Outer diameter approx.	5.4 mm
Installation Temperature Range	-10...60 °C
Operating Temperature Range	-20...75 °C
NVP value	69 %
Conductor category	Class 1 = solid
Total number of cores	8
Stranding element	Pairs
Conductor surface	Bare

## Cross-section diagram



# Excel Category 6 Cable U/UTP 24AWG Dca LS0H 305m Box - Violet

Item Code: 100-080



## Cable specifications

Features	Values
Dielectric strength	1200 V dc or 850 V ac
Maximum Pulling Load	60N/6.1KgF
MBR during installation	8x cable OD
MBR installed	4x cable OD

## 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 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

# Excel Category 6 Cable U/UTP 24AWG Dca LS0H 305m Box - Violet

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general applications in construction works subject to  
reaction to fire requirements

RoHS

Restriction of Hazardous Substances - Compliant

## Part Number Table

Part Number	Description
100-080	Excel Category 6 Cable U/UTP 24AWG Dca LS0H 305m Box - Violet
100-080-WT	Excel Category 6 Cable U/UTP 24AWG Dca LS0H 305m Box - White

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

Contact us at [sales@excel-networking.com](mailto:sales@excel-networking.com)



E&OE. Excel is a registered trade name of Mayflex Holdings Ltd.