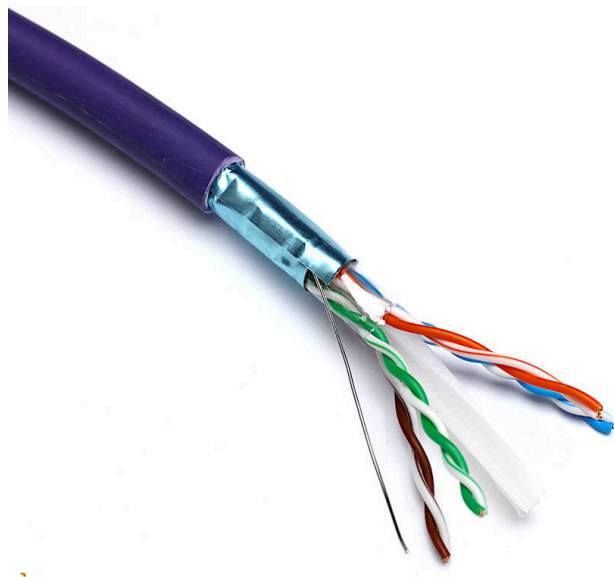


# Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 305 m Reel Violet

Item Code: 100-076

**excel**  
without compromise.



✕ Cat6 Solid Copper Cable

✕ F/UTP Overall Foil Screening

✕ No Conductor Screening

✕ Outer sheath colour Violet

✕ Reaction-to-fire class according to EN 13501-6: Dca

✕ Smoke development class according to EN 13501-6: s2

## Product Overview

Excel solid Cat6 ethernet cable F/UTP LSOH CPR Euroclass Dca manufactured and tested to the TIA/EIA 568-B.2-1, EN50173-1 and ISO/ IEC 11801 Cat 6 specifications, 305m or 500m. Each cable consists of 8 colour coded solid copper conductors twisted together to form four pairs.

These are then formed around a central X-shaped polyethylene centre with the whole cable produced in a LSOH sheath.

## Product Specifications

Feature	Values
Conductor surface	Bare
AWG size	23
Conductor category	Class 1 = solid
Total number of cores	8
Stranding element	Pairs
Specification core insulation	PE
Core identification	Colour
Overall screening	Foil
Conductor screening	None
Outer sheath material	Copolymer, thermoplastic (LSOH)

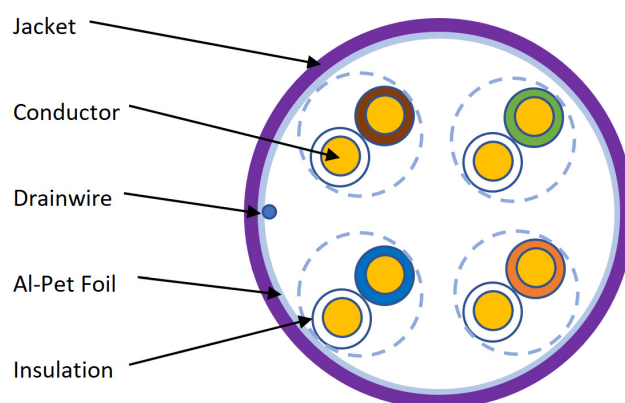
# Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 305 m Reel Violet

Item Code: 100-076



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 13501-6	d2
Euro class acidity according to EN 13501-6	a1
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.	7.2 mm
Installation Temperature Range	0...50 °C
Operating Temperature Range	-10...60 °C
Category	6
NVP value	70 %

**Cross-section diagram**



## Cable specifications

Features	Values
Dielectric strength	2.5kV for 2s
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 61156-5:2020	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 50173-1:2018	Information technology. Generic cabling systems - General requirements
EN 50173-2:2018	Information technology. Generic cabling systems - Office premises
BS EN 50288-3-1:2013	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 + A12:2020	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-D:2015	Balanced Twisted-Pair Telecommunications Cabling and Components Standards
IEC 60754-2:2014	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity
IEC 61034-2:2005+A2:2020	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	Compliant to the Restriction of Hazardous Substances
WFD	Compliant to Waste Framework Directive
SCIP	Compliant - Does Not Contain Substances of Concern in Products

# Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 305 m Reel Violet

Item Code: 100-076



## Part Number Table

Part Number	Description
100-076	Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 305 m Reel Violet
100-076/LTGN-500	Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 500 m Reel Light Green
100-076-1000	Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 1000m Reel Violet
100-076-305M-GN	Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass Dca 305 m Box EasyReel Green
100-077/LTGN	Excel Solid Cat6 Dual Cable F/UTP LSOH CPR Euroclass Dca 500 m Reel Light Green
190-076	Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass B2ca 305 m Reel Violet
190-076-305M-GN	Excel Category 6 Cable F/UTP B2ca LSOH 305m Easyreel Box - Green
190-076-500	Excel Solid Cat6 Cable F/UTP LSOH CPR Euroclass B2ca 500 m Reel Violet



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# Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 305 m Box Violet

Item Code: 100-071

**excel**  
without compromise.



✕ Cat6 solid copper cable

✕ U/UTP no overall screening

✕ No conductor screening

✕ Outer sheath colour violet

✕ Reaction-to-fire class according to EN 13501-6: Dca

✕ Smoke development class according to EN 13501-6: s2

## Product Overview

Excel solid Cat6 ethernet cable U/UTP LSOH CPR Euroclass Dca manufactured and tested to the TIA/EIA 568-B.2-1, EN50173-1 and ISO/ IEC 11801 Cat6 specifications, 305 m or 500 m. Each cable consists of 8 colour coded solid copper conductors twisted together to form four pairs.

These are then formed around a central X-shaped polyethylene centre with the whole cable produced in a LSOH sheath.

## Product Specifications

Feature	Values
Conductor surface	Bare
AWG size	23
Conductor category	Class 1 = solid
Total number of cores	8
Stranding element	Pairs
Specification core insulation	PE
Core identification	Colour
Overall screening	None
Conductor screening	None
Outer sheath material	Copolymer thermoplastic (LSOH)

# Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 305 m Box Violet

Item Code: 100-071

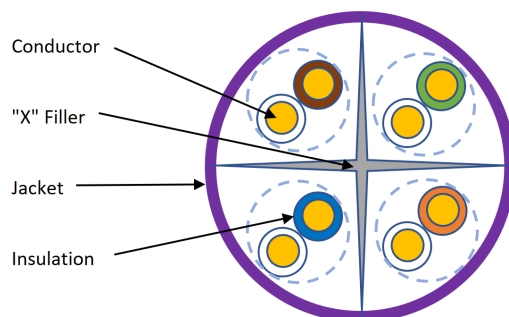


Outer sheath colour	Violet
Reaction-to-fire class according to EN 13501-6	Dca
Smoke development class according to EN 13501-6	s2
Euro class flaming droplets/particles according to EN 13501-6	d2
Euro class acidity according to EN 13501-6	a1
Halogen free (acc. EN 60754-1/2)	yes
Flame retardant	In accordance with EN 60332-1-2 and EN 50399
Low smoke (acc. BS EN 61034-2)	yes
Outer diameter approx.	6.2 mm
Installation Temperature Range	0...60 °C
Operating Temperature Range	-20...75 °C
Category	6
NVP value	69 %

## Cable specifications

Features	Values
Dielectric strength	2.5kV for 2s
Maximum pulling load	60N/6.1KgF
MBR during installation	8x cable OD
MBR installed	4x cable OD

### Cross-section diagram



### Standards

Applicable standard	Subject
ISO/IEC 11801-1:2017	Information technology - Generic cabling for customer premises: Part 1 General Requirements
IEC 61156-5:2020	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
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ANSI/TIA 568-D:2015	Balanced Twisted-Pair Telecommunications Cabling and Components Standards
IEC 60754-2:2014	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH

# Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 305 m Box Violet

Item Code: 100-071



measurement) and conductivity

IEC 61034-2:2005+A2:2020	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	Compliant to the Restriction of Hazardous Substances
WFD	Compliant to Waste Framework Directive
SCIP	Compliant - Does Not Contain Substances of Concern in Products

## Part Number Table

Part Number	Description
100-071	Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 305 m Box Violet
100-071-1000M	Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 1000 m Reel Violet
100-071-500M	Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 500 m Reel Violet
100-072	Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 305 m Box Green
100-074	Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 305 m Box White
100-074-1000M	Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 1000 m Reel White
100-074-500M	Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 500 m Reel White
100-075	Excel Solid Cat6 Cable U/UTP LSOH CPR Euroclass Dca 305 m Box Orange
100-103	Excel Solid Cat6 Dual Cable U/UTP LSOH CPR Euroclass Dca 500 m Reel White



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