

# Excel Category 5E Cable F/UTP Eca PVC 305m Reel - Grey

Item Code: 100-216

excel  
without compromise.



Category 5e

Foil tape screen

Supports Gigabit Ethernet

Fast feed box

Sequential metre markings

Euroclass Eca

## Product Overview

Excel Category 5e Screened PVC Cables are manufactured and tested to the ISO 11801, EN 50173 and ANSI/TIA-568-C standards for enhanced performance Category 5 cables. Each cable consists of 8 colour coded polyethylene insulated conductors. These are twisted together to form 4 pairs with varying lay lengths. These pairs are wrapped in an aluminium mylar tape screen with a solid 24 AWG drain wire and jacketed in a heat resistant rated material.

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

## Product Specifications

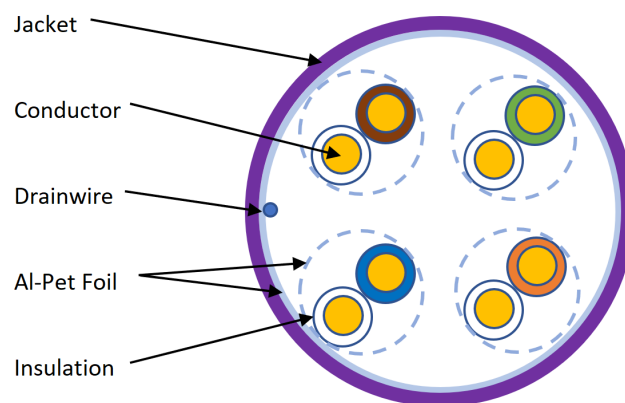
Feature	Values
Category	5E
Overall screening	Foil
Conductor screening	None
Outer sheath colour	Grey
Reaction-to-fire class according to EN 13501-6	Eca
AWG-size	24
Specification core insulation	PE
Core identification	Colour
Outer sheath material	PVC
Flame retardant	In accordance with EN 60332-1-2 and EN 50399

Outer diameter approx.	6.4 mm
Installation Temperature Range	0...50 °C
Operating Temperature Range	-10...60 °C
NVP value	70 %
Conductor category	Class 1 = solid
Total number of cores	8
Stranding element	Pairs
Conductor surface	Bare

## 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
EN 50173-1:2018	Information technology. Generic cabling systems - General requirements
EN 50173-2:2018	Information technology. Generic cabling systems - Office premises
BS EN 50288-6-1:2013	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 + 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+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

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## Part Number Table

Part Number	Description
100-216	Excel Category 5E Cable F/UTP Eca PVC 305m Reel - Grey
100-217	Excel Category 5E Cable F/UTP Dca LS0H 305m Reel - Violet
EXC100-217/LTGREY	Excel Category 5E Cable F/UTP Dca LS0H 305m Box - Light Grey

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.