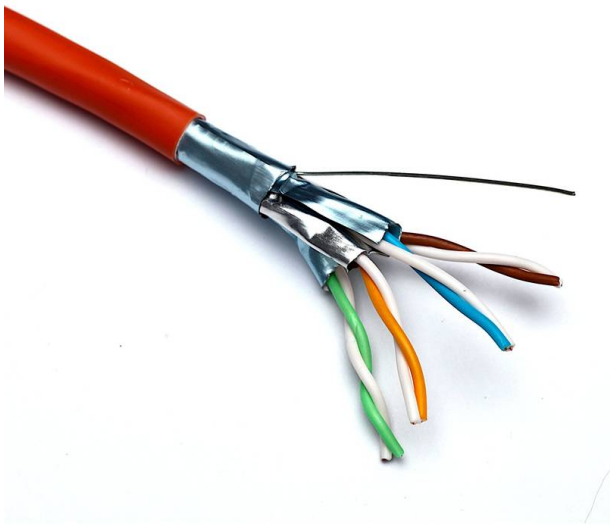
Excel Solid Cat6A Cable F/FTP LSOH CPR Euroclass Dca 500 m Reel Orange

Item Code: 100-996-OR



- Cat6A solid copper cable
- F/FTP overall foil screen
- Outer sheath colour orange
- Euroclass Dca-s2, d2, a1
- 25 year system warranty

Product Overview

Excel solid Cat6A cable individually screened full F/FTP LSOH CPR Euroclass Dca designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards and supplied on 500 m reels. Excel Cat6A fully screened (F/FTP) Cable takes the performance capabilities of copper infrastructure to new levels.

This delivers Class EA/Augmented Category 6 link performance over distances of up 90 m which supports the applications including 10GBASE-T, 10 Gigabit Ethernet.

Each cable consists of four pairs which are individually wrapped with a high quality, strong, aluminium/polyester foil tape providing screening for each pair.

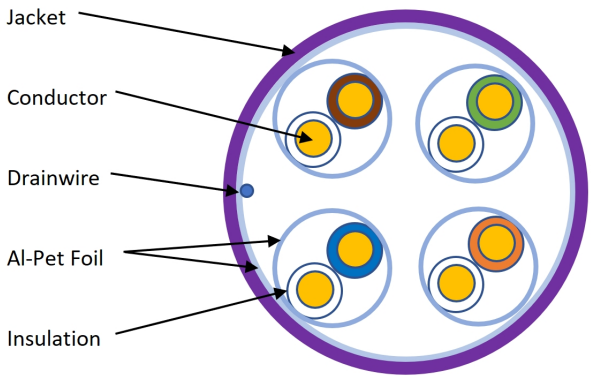
The individual pairs are set to different lay lengths to ensure optimum performance. These are then wrapped in another overall foil.

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	Polyethylene (PE)
Core identification	Colour
Overall screening	Foil
Conductor screening	Foil

Outer sheath material	Copolymer, thermoplastic (LS0H)
Outer sheath colour	Orange
Flame retardant according to IEC 60332-1-2	yes
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
Outer diameter approx.	7.6 mm
Installation Temperature Range	0...50 °C
Operating Temperature Range	-20...60 °C
Category	6A (IEC)
NVP value	76 %

Cross-section diagram



Cable specifications

Features	Values
Dielectric strength	1kV for 2s
Maximum pulling load	90 N
MBR during installation	60 mm
MBR installed	30 mm

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
IEEE 802.3bt (Type 4)	Compliant to IEEE 802.3bt (Type 4)
RoHS-II/-III (2011/65/EU & 2015/863): 2023	Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III).
WFD: 2023	Compliant to Waste Framework Directive
SCIP: 2023	Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)
POPs (EU) No 2019/1021	EU Regulation for the restriction of Persistent Organic

	Pollutants.

Part Number Table

Part Number	Description
100-996	Excel Solid Cat6A Cable F/FTP LSOH CPR Euroclass Dca 500 m Reel Ice Blue
100-996-OR	Excel Solid Cat6A Cable F/FTP LSOH CPR Euroclass Dca 500 m Reel Orange

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

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