

- ☒ Cat6A internal/external solid copper cable
- ☒ U/FTP no overall screening, foil screen per pair
- ☒ Outer sheath black PE ultraviolet resistance: Fca class
- ☒ CPR Rating is on inner sheath only as Part Code: 190-980
- ☒ Reaction-to-fire class inner sheath to EN 13501-6: B2ca
- ☒ Use with IP68 coupler: 100-151-EXS
- ☒ CIBSE TM65 Embodied Carbon: 165.479 kg CO2e

Product Overview

Excel Cat6A cable double sheath U/FTP S-Foil PE external sheath, B2ca inner sheath cable is manufactured to meet and exceed the ISO, CENELEC and TIA standards up to 90 m. The cables offer a protective PE sheath which is water, UV and moisture resistant and features a rip chord to assist with outer sheath removal.

They can be installed outdoors in ducts and are suitable for use indoors when the PE sheath is removed. This cable is CPR rated on its inner Sheath as part code 190-980 and must have its black outer sheath removed when installed for more than 2 m inside the building.

Use with our Cat6A IP68 coupler to join to patch field chords for easy termination to outdoor equipment. Excel Cat6A screened (U/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 and PoE++.

Each cable consists of 4 pairs of solid cores wrapped in an S-Foil high quality, strong, aluminium/polyester foil tape providing screening for each pair. The foil configuration ensures separation of the pairs that ensures the performance. The individual pairs are set to different lay lengths to ensure optimum performance.

Product Specifications

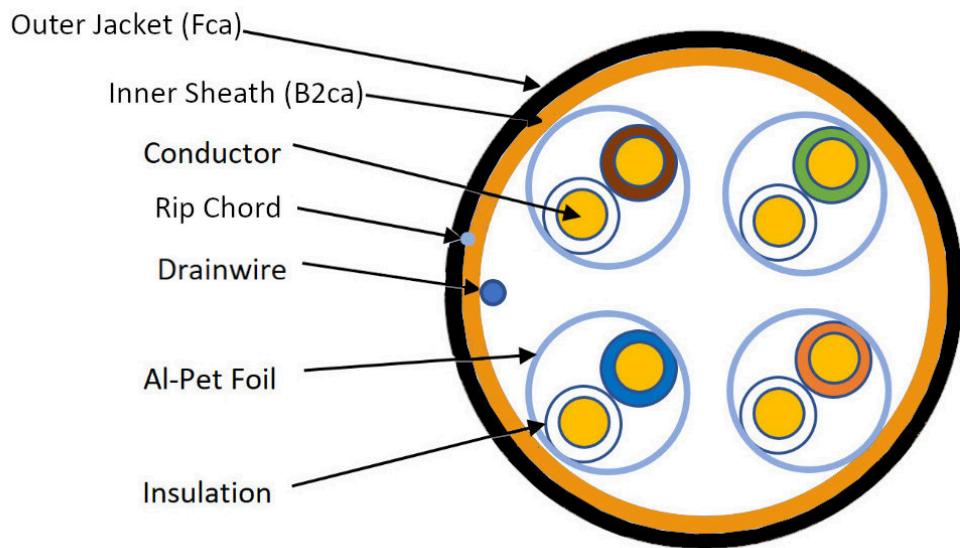
Excel Cat6A Cable Double Sheath U/FTP B2ca to Fca PE UV protection 500 m RL Black

Item Code: 190-980-DS



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	None
Conductor screening	Foil
Outer sheath material	Copolymer, thermoplastic (LSOH)
Outer sheath colour	Black
Flame retardant according to IEC 60332-1-2	yes
Low smoke (acc. IEC 61034-2)	yes
Reaction-to-fire class according to EN 13501-6	Fca
Outer diameter approx.	8.1 mm
Operating Temperature Range	-10...60 °C
Category	6A (IEC)
NVP value	78.8 %

Product drawing



Additional specifications

Features	Values
Outer jacket material	PE
Outer jacket colour	Black
Inner jacket material	Copolymer, thermoplastic (LSOH)
Inner jacket Reaction-to-fire to EN 13501-6	B2ca
Inner jacket colour	Aqua
Inner cable diameter (mm)	6.85 mm
Dielectric strength	1.7 kV for 2 s
Maximum pulling load	50 N
MBR during installation	8x cable OD
MBR installed	4x cable OD

Standards

Applicable standard	Detail
ISO/IEC 11801:2017	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 1000 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

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Pollutants.

Part Number Table

Part Number	Description
190-980-DS	Excel Cat6A Cable Double Sheath U/FTP B2ca to Fca PE UV protection 500 m RL Black

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

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