Excel Category 6$_A$ S/FTP Screened Twisted Pair Cable - White

excel
without compromise.

25 YEAR WARRANTY excel

CAT6
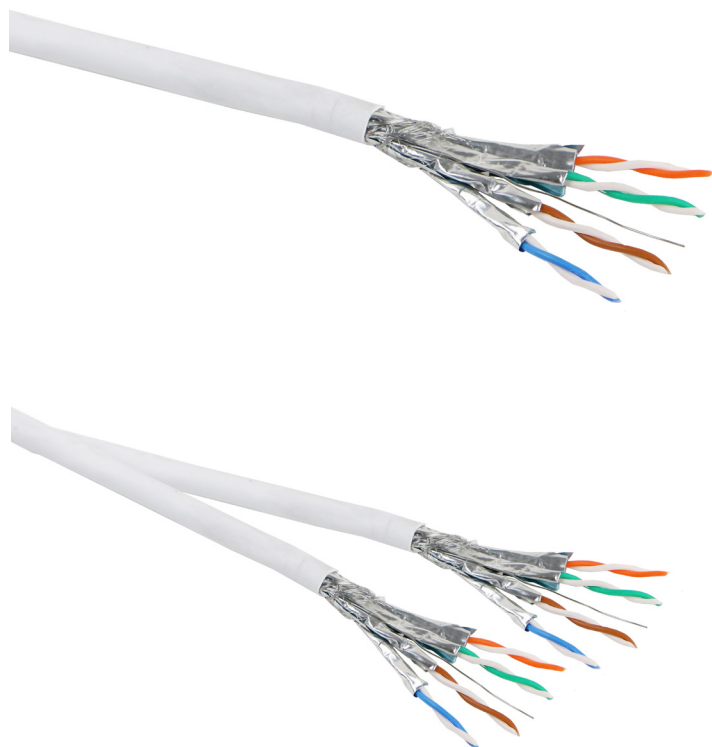
- Category 6$_A$, S/FTP
- White
- 500 Metre Reel
- 23 AWG Conductors
- Low Smoke Zero Halogen Jacket
- CPR compliant to Dca

Features

- **Category 6$_A$ S/FTP**
- **White**
- **ISO 11801**
- **500 Metre Reel**
- **23 AWG Conductors**

- **25 Year System Warranty**
- **3rd Party Verified**
- **Low Smoke Zero Halogen Jacket**
- **Tested to 550MHz**
- **CPR compliant to Dca**

Product Overview

The Excel Category 6$_A$ screened S/FTP LSOH cable is designed and manufactured to meet and exceed the ISO, Cenelec and TIA standards. This delivers Class Ea link and channel performance supporting all applications detailed and proposed within the standards. This superior performance cable is 3rd Party Component Verified.

Each cable consists of 4 pairs individually wrapped in an overall covering of high quality aluminium/polyester foil tape providing an individual screen for each pair. These sub units are then cabled together with the pairs set to different lay lengths to ensure optimum performance, an overall braid screen is applied to provide further immunity to outside noise and to mitigate and risk of alien cross talk

Excel Category 6$_A$ S/FTP cables are jacketed in a white low smoke zero halogen (LSOH) flame retardant compound. Supplied on 500 metre plywood drums, each cable has a print legend identifying the specification, part code and sequential metre marking.

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Performance

Frequency	RL	ATT	NEXT	PSNEXT	ELFEXT	PSELFEXT
(MHz)	≥dB	≤dB	≥dB	≥dB	≥dB	≥dB
1	20.0	—	74.3	72.3	68.0	65.0
4	23.0	3.8	65.3	63.3	56.0	53.0
8	24.5	5.3	60.8	58.8	49.9	46.9
10	25.0	5.9	59.3	57.3	48.0	45.0
16	25.0	7.5	56.2	54.2	43.9	40.9
20	25.0	8.4	54.8	52.8	42.0	39.0
25	24.3	9.4	53.3	51.3	40.0	37.0
31.25	23.6	10.5	51.9	49.9	38.1	35.1
62.5	21.5	15.0	47.4	45.4	32.1	29.1
100	20.1	19.1	44.3	42.3	28.0	25.0
200	18.0	27.6	39.8	37.8	22.0	19.0
250	17.3	31.1	38.3	36.3	20.0	17.0
300	16.8	34.3	37.1	35.1	18.5	15.5
500	15.2	45.3	33.8	31.8	14.0	11.0
550*	14.9	47.7	33.2	31.2	13.2	10.2

* For Reference Purposes

Impedance		DC Resistance (Ω/100m) max	9.38

Construction

Item	Value
Conductor Material	100% solid bare copper
Conductor Diameter	0.56mm +/- 0.005mm (23AWG)
Insulation	Skin-Foam-Skin HDPE Material
Insulation Diameter	1.330±0.05 mm
Pair Foil	Aluminium - PET ≥ 115%
Braid Material	Aluminium-magnesium alloy 0.12mm
Braid Coverage	≥30%
Outer Sheath Material	Low Smoke Zero Halogen (LS0H)
Sheath thickness	0.55±0.05 mm
Jacket Colour	White (RAL9003)
Cable OD	7.5±0.5 mm
Maximum Conductor DC Resistance	93.8Ω/Km
Nominal Velocity of Propagation (NVP)	74%
Operating temperature Range	-20C to +70C
Flammability resistance	IEC 60332-1
Halogen Acidity	IEC 60754-1,2
Smoke Performance	IEC 61034-1,2
Minimum Bend Radius during installation	64mm
Minimum Bend Radius Installed	32mm

Part Numbers

Part Number	Description
100-914	Excel Category 6$_A$ (S/FTP) Screened Cable - 550MHz - White
100-915	Excel Category 6$_A$ (S/FTP) Screened Cable - 550MHz - White (Dual)

System Warranty

The Excel System warranty provides a 25-year product and application assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The warranty may be applied for by an accredited Excel Partner who has designed, supplied and installed the said system.

25 YEAR WARRANTY
excel

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

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