



Category 8 Performance to 2000 MHz

22 AWG Conductors

Individual foil pairs with overall braid screen

3rd Party Delta Verified Component Compliance

25 Year System Warranty

Euroclass compliant to EN 50323-2-1



Features

- Low Smoke Zero Halogen Jacket
- High performance design
- Individual foil pairs with overall braid screen
- 25 Year System Warranty
- Category 8 Performance to 2000 MHz
- 22 AWG Conductors
- 3rd Party Delta Verified Component Compliance
- Euroclass compliant to EN 50323-2-1

Product Overview

The Excel Category 8 Screened S/FTP LSOH Cable is designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards. This delivers Class Fa link and channel performance supporting all applications detailed and proposed within the standards. The performance characteristics have been enhanced to 2000 MHz for specialist applications.

Each cable consists of 4 pairs individually wrapped in a covering of high quality, strong, 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 any risk of alien cross talk.

Excel Category 8 cables are jacketed in a violet low smoke zero halogen (LSOH) flame retardant compound. The cable is supplied on 305 meter plywood drums, and the cable legend includes Euroclass information as standard for clear classification and traceability.

Item	Value
Conductor material	Solid bare copper
Conductor diameter	0.63 ± 0.02 mm (22 AWG)
Insulation	Foam PE material
Insulation thickness	0.4 mm
Insulation diameter	1.56 ± 0.1 mm
Pair foil	Aluminium
Braid material	Tinned copper
Braid construction	T0.12 ± 0.008 mm x 8 x 6
Braid coverage	50 %
Jacket material	Low Smoke Zero Halogen (LSOH)
Jacket thickness	0.5 mm
Jacket colour	Violet

Cable diameter	8.3 ± 0.5 mm
Nominal velocity of propagation (nvp)	74%
Rated temperature	75° C
Flamability resistance	IEC 60332-1
Halogen acidity	IEC 60754-1,2
Smoke Emission	EN 50399, IEC 61034-2
Halogen acidity	IEC 60754-1,2
Euroclass	EN50575:2014+a1:2016 Dca,s2,d2, a1

Performance

Frequency (MHz)	Longitudinal Attenuation (dB/30m) Max.	NEXT (dB/30m) Min.	ACR-F (dB/30m) Min.	PSNEXT (dB/30m) Min.	PS ACR-F (dB/30m) Min.	Return Loss (dB/30m) Min.
1	-	78	78	75	75	
4	1.12	78	78	75	75	23
10	1.75	78	78	75	75	25
62.5	4.37	78	64.7	75	61.7	23.6
100	5.56	75.4	60.6	72.4	57.6	22.2
200	7.94	70.9	54.6	67.9	51.6	20.1
300	9.81	68.2	51.1	65.2	48.1	18.9
600	14.13	63.7	45.0	60.7	42.0	16.8
800	16.48	61.9	42.5	58.9	39.5	15.9
1000	18.58	60.4	40.6	57.4	37.6	15.2
2000	27.15	55.9	34.6	52.9	31.6	13.1

Part Number Information

Part No.	Description
100-903	Category 8 (S/FTP) Screened Cable - 2000MHz

System Warranty

The Excel System Warranty provides a 25-year product and applications 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.



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

