

## Excel Category 5e Shielded Twisted Pair (FTP) Cable



25 Year System Warranty

Supports Gigabit Ethernet

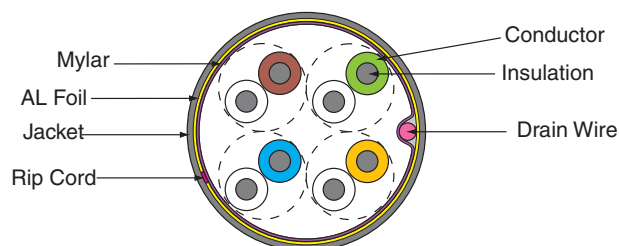
### Features

- Category 5e compliant
- Independently Verified
- CM Rated
- Foil Tape Screen
- Low Smoke Zero Halogen Option
- 25 Year System Warranty
- BSRIA Number 1 private label, by market share for the last three years

### Product Overview

Excel Category 5e FTP Cables are manufactured, tested and independently verified to the ISO11801 and EIA/TIA standards for enhanced performance Category 5e.

Each cable consists of 8 colour coded 24AWG polyethelene 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 24AWG drain wire and jacketed in a heat resistant PVC or low smoke zero halogen rated material. The printing detail on the sheath, includes the cables part number, specification details and sequential metre marking.



### Specification

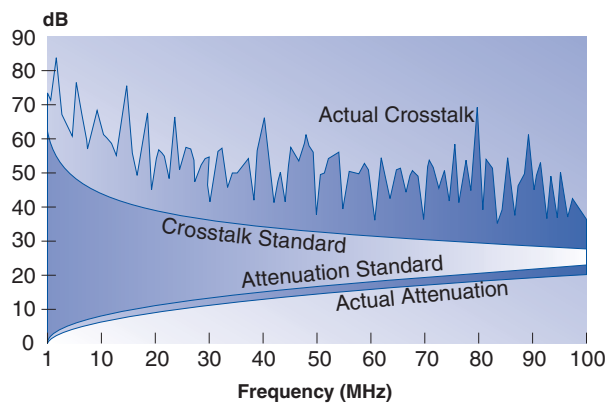
Overall Diameter	6.4mm
Operation Temperature Range	-20°C to +75°C
Bend Radius	4 x overall diameter installed, 8x installing

### Performance Overview

Excel Category 5e cables are manufactured to and tested to the current Category 5 enhanced standards as defined by the EIA/TIA and ISO standards' bodies. Swept frequency tests are applied to each critical performance characteristic, such as near end cross talk (NEXT) and far end cross talk (FEXT). Both Worst Case and Power Sum Test methods are applied. Actual performance exceeds the required standard by a considerable margin ensuring sufficient headroom for even the most demanding applications.

## Performance Table

Frequency (MHz)	Impedance (ohm)	SRL (dB)	Attenuation (dB/100m)	NEXT Worst Pair (dB)	NEXT Power Sum (dB)	ELFEXT Worst Pair (dB)	ELFEXT Power Sum (dB)	Velocity of Propagation (%)
0.772		—	1.8	67	64	—	—	
1.0		19	2.0	66	62	64	61	
4.0		20.8	4.1	57	53	52	49	
8.0		21.7	5.8	52	48	46	43	
10.0		22	6.5	51	47	44	41	
16.0	100 ± 15	22	8.2	48	44	40	37	70
20.0		22	9.3	46	42	38	35	
25.0		21.3	10.4	45	41	36	33	
31.25		20.6	11.7	43	39	34	31	
62.5		18.5	17.0	39	35	28	25	
100.0		17.1	22.0	36	32	24	21	



## System Warranty

When installed with Excel Patch Panels and Data Outlets by an accredited Excel Cabling Partner, this product is supported by a comprehensive 25 year product and applications warranty.

## Typical Applications

- 10 Base-T
- 100 Base-TX
- Token Ring
- 1000 Base T Gigabit Ethernet
- 155 Mbps ATM
- 622 Mbps ATM

## Part Number Information

Part No.	Description
100-216	Excel Category 5e Cable Grey, 305MTR Fast Feed Box
100-217	Excel Category 5e LSOH Cable Violet, 305MTR Fast Feed Box



Excel is a complete, end-to-end networking solution, offering exceptional performance and support, manufactured to European quality standards and covered by one warranty.

Contact us at [sales@excel-networking.com](mailto:sales@excel-networking.com)

[WWW.EXCEL-NETWORKING.COM](http://WWW.EXCEL-NETWORKING.COM)