



25 Year System Warranty

Supports Gigabit Ethernet

Available in PVC & LSOH

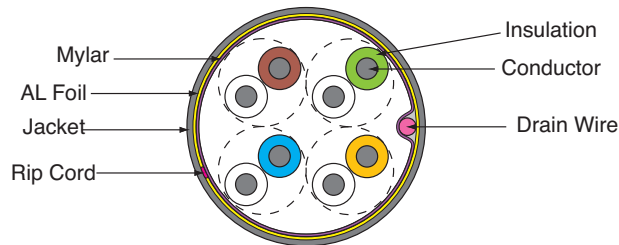
Features

- Category 5e compliant
- Independently Verified
- CM Rated
- Foil Tape Screen
- Low Smoke Zero Halogen Option
- 25 Year System Warranty

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 polyethylene 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.



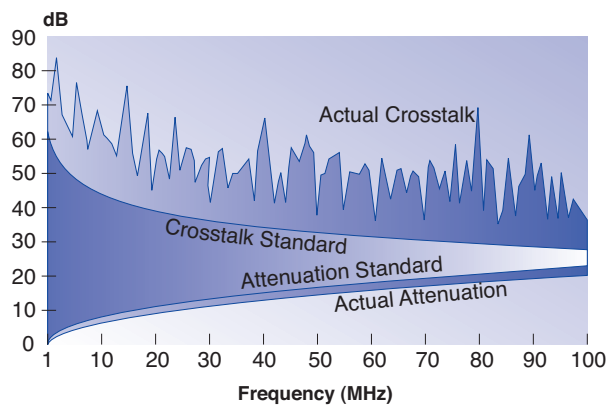
Specification

Overall Diameter	6.4mm
Installation Temperature Range	0°C to +50°C
Operation Temperature Range	-10°C to +60°C
Bend Radius	4 x overall diameter installed, 8x installing
Conductor	24AWG Solid Copper
Conductor Insulation	Solid Polyethylene
Screen	Al / PET
Drain wire	Tinned Copper
Flame Retardant Test	IEC 332-1
LSOH tested with reference to	IEC 62321
	US EPA 3540C
	EN 14582:2007

Performance Overview

Excel Category 5e cables are manufactured to and tested to the current Category 5 enhanced standards as defined by the 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.

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

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

Part Number Information

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



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