

e-ssential FTP CAT5e 0,5MM LSZH BOX 305M

- FTP single foil construction
- Complies to latest Cat 5E standards
- Supports Gigabit Ethernet
- Guaranteed performance to 100MHz

Nexans ref.: [N100.451](#)

Description

Application

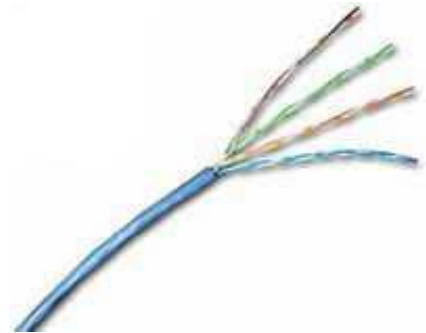
Category 5e cables are the standard 100MHz offering from Nexans. Manufactured in accordance with TIA 568-B and IEC 61156-5, they are suitable for basic installations. Available in Light Grey PVC or Orange LSZH.

Performance

Nexans Category 5e cables are compliant with the requirements of the TIA 568-B and IEC 61156-5. ACR figures are shown for comparative purposes between different Nexans products. Actual performance is shown overleaf.

Values

Skew (ns/100m)	45
Coupling attenuation at 30 MHz (dB)	45



e-ssential


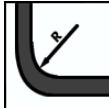
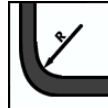
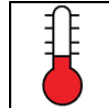


Standards

International ISO/IEC 11801

National TIA/EIA-568-B.2

Contact

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Operating temperature, range	Minimum dynamic operating bending radius	Minimum static operating bending radius	Ambient installation temperature, range	Electro magnetic interference resistance	Flame retardant
-20 .. 60 °C	24.0 mm	48.0 mm	0 .. 50 °C	Yes	IEC 60332-1

Made for Andrew Garfield

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Characteristics

Construction characteristics

Type of cable	FTP
Colour	Orange
Screen	Aluminium foil
Outer sheath	LSZH

Dimensional characteristics

Conductor diameter	0.52 mm
Diameter over insulation	1.06 mm
Nominal outer diameter	5.9 mm
Approximate weight	42 kg/km

Electrical characteristics

Characteristic impedance	100 Ohm
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Transmission characteristics

Velocity of propagation	68.0 %
Propagation delay, max. 100 MHz	536 ns/100m

Usage characteristics

Category	Cat. 5e
Range	E-ssential
Component function	Cable
Operating temperature, range	-20 .. 60 °C
Minimum dynamic operating bending radius	24.0 mm
Minimum static operating bending radius	48.0 mm
Length	305 m
Fire load	460 MJ/km
Ambient installation temperature, range	0 .. 50 °C
Electro magnetic interference resistance	Yes
Flame retardant	IEC 60332-1
Packaging	Box