

Nexans e-ssential Cat5e Cable

- UTP, FTP & S-FTP construction
- Complies to latest Cat 5E standards
- Supports Gigabit Ethernet
- Guaranteed performance to 100MHz
- Single foil offers EMC performance
- In single and shotgun cable construction

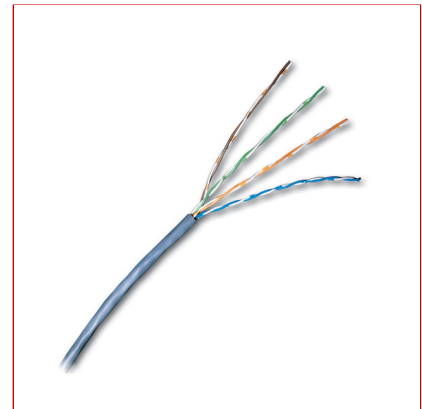
Description

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 voice & data 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.



essential

Standards

International ISO/IEC 11801
National TIA/EIA-568-B.2; TIA/
EIA-568-B.2

Contact

Cabling solutions
Bonnenbroicher Str. 2-14
41238 Mönchengladbach
Germany
Phone: +49 2166 27 2471
gerd.backhaus@nexans.com

Nexans e-ssential Cat5e Cable

Characteristics

Usage characteristics

Range

E-ssential

Electrical Performance

all values are specified at 20°C

Frequency	Attenuation dB/100m	NEXT dB	ACR dB/100m	PSNEXT(*) dB	ELFEXT dB/100m	PSELFEXT dB/100m	RL dB
1	2.1	65.3	63.2	62.3	63.8	61.0	20.0
4	4.0	56.3	52.3	53.3	51.7	49.0	23.0
10	6.3	50.3	44.0	47.3	43.8	41.0	25.0
16	8.0	47.3	39.3	44.3	39.7	36.9	25.0
20	9.0	45.8	36.8	42.8	37.7	35.0	25.0
31.25	11.4	42.9	31.5	39.9	33.9	31.1	23.6
62.5	16.5	38.4	21.9	35.4	27.9	25.1	21.5
100	21.3	35.3	14.0	32.3	23.8	21.0	20.1

(*) Dual cable versions additionally comply to the additional PSNEXT requirements for multi-unit cables as specified in the relevant TIA and IEC cable standards.

Product List

Nexans ref.	Name	Type of cable	Length (m)	Outer sheath	Packaging
N100.453	e-ssential FTP CAT5e 0,5MM DUAL LSZH 500M REEL	FTP Shotgun	500	LSZH	Reel
N100.463	e-ssential FTP CAT5e 0,5MM DUAL PVC 500M REEL	FTP Shotgun	500	PVC	Reel
N100.452	e-ssential FTP CAT5e 0,5MM LSZH 1000M REEL	FTP	1000	LSZH	Reel
N100.454	e-ssential FTP CAT5e 0,5MM LSZH 500M REEL	FTP	500	LSZH	Reel
N100.451	e-ssential FTP CAT5e 0,5MM LSZH BOX 305M	FTP	305	LSZH	Box
N100.462	e-ssential FTP CAT5e 0,5MM PVC 1000M REEL	FTP	1000	PVC	Reel
N100.464	e-ssential FTP CAT5e 0,5MM PVC 500M REEL	FTP	500	PVC	Reel
N100.461	e-ssential FTP CAT5e 0,5MM PVC BOX 305M	FTP	305	PVC	Box
N100.410	e-ssential S-FTP CAT5e 0,5MM DUAL LSZH 500M REEL	S-FTP Shotgun	500	LSZH	Reel
N100.420	e-ssential S-FTP CAT5e 0,5MM DUAL PVC 500M REEL	S-FTP Shotgun	500	PVC	Reel

Nexans e-ssential Cat5e Cable

Nexans ref.	Name	Type of cable	Length (m)	Outer sheath	Packaging
N100.407	e-ssential S-FTP CAT5e 0,5MM LSZH 1000M REEL	S-FTP	1000	LSZH	Reel
N100.471	e-ssential S-FTP CAT5e 0,5MM LSZH 500M REEL	S-FTP	500	LSZH	Reel
N100.417	e-ssential S-FTP CAT5e 0,5MM PVC 1000M REEL	S-FTP	1000	PVC	Reel
N100.476	e-ssential S-FTP CAT5e 0,5MM PVC 500M REEL	S-FTP	500	PVC	Reel
N100.553	e-ssential UTP CAT5e 0,5MM DUAL LSZH 500M REEL	UTP Shotgun	500	LSZH	Reel
N100.563	e-ssential UTP CAT5e 0,5MM DUAL PVC 500M REEL	UTP Shotgun	500	PVC	Reel
N100.552	e-ssential UTP CAT5e 0,5MM LSZH 1000M REEL	UTP	1000	LSZH	Reel
N100.554	e-ssential UTP CAT5e 0,5MM LSZH 500M REEL	UTP	500	LSZH	Reel
N100.551	e-ssential UTP CAT5e 0,5MM LSZH BOX 305M	UTP	305	LSZH	Box
N100.562	e-ssential UTP CAT5e 0,5MM PVC 1000M REEL	UTP	1000	PVC	Reel
N100.564	e-ssential UTP CAT5e 0,5MM PVC 500M REEL	UTP	500	PVC	Reel
N100.561	e-ssential UTP CAT5e 0,5MM PVC BOX 305M	UTP	305	PVC	Box