

Cat.5e 200 F/UTP LSZH Dca

Contact

Sales Manager
Phone: +48668448344
krzysztof.ojdana@nexans.com

- Complies to latest Cat 5e standard version
- Supports Class D applications
- Cable tested up to 200 MHz
- Flame retardant according to EN50575:2014+A1:2016 and IEC 60332-1
- Global screen for EMC performance
- Compatible POE, POE+ and UPOE
- RoHS EC Directive compliant
- Compliant with European Reach regulation

DESCRIPTION

Application

F/UTP Category 5e cables are the standard offering from Nexans. Manufactured in accordance with ISO IEC 61156-5 requirements, the F/UTP cable is the best choice to support all Class D applications like Ethernet, Fast Ethernet, Gigabit Ethernet, ... Cat 5e F/UTP cables are suitable for basic voice and data installations up to 155 MHz. Nexans Cat.5E cables, combined with a similar class of performance connectivity, are suitable for voice and data installations according to ISO/IEC 11801, EN 50173 and TIA/EIA 568 standards.

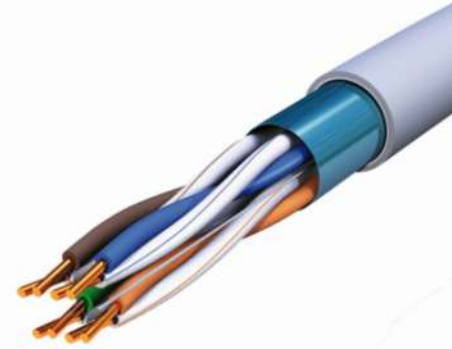
Construction

1. Conductor: solid bare copper
2. Insulation : Polyethylen (EN 50290-2-23) - Two insulated conductors twisted to a pair - 4/2 laid up together
3. Tinned copper drain wire
4. Screen : ALU/PET foil - Alu inside
5. Outer Jacket : Low Smoke Zero Halogen - Dca (EN50575)

Environment

Designed to reduce the environment impact, Nexans cables are compliant with RoHS 2011/65 Directive and European Reach 1907/2006/EC regulation. The outer sheath of the cable is made of halogen free material (IEC 60754-1 / EN 50267-2-1), with limited fumes emission (IEC 61034-1/2 / EN 50268-1/2) and no acid gaz emission in case of fire (IEC 60754-2 / EN 50267-2-2).

Nexans measure the environmental impact of each of its cables. Upon request the PEP Ecopassport or the Eco Material Declaration could be available.



STANDARDS

International EN 50173;
EN 50288; IEC 60332-1;
IEC 61156-5; ISO/IEC 11801



Flame retardant
IEC 60332-1

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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The Nexans logo consists of a stylized red 'N' followed by the word 'Nexans' in a black, sans-serif font.

CHARACTERISTICS

Construction characteristics

Sheath colour	Ivory
Outer sheath	LSZH

Dimensional characteristics



Number of pairs	4
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Usage characteristics

Packaging	Box 305 m
Flame retardant	IEC 60332-1

PRODUCT LIST

Nexans Ref.	Country Ref.	Name
 10272093	-	NEX C5e 200 F/UTP LSZH Dca 4P B305 IV

 = Make to order,  = In stock,

CAT 5E 200 F-UTP TRANSMISSION CHARACTERISTICS

TRANSMISSION CHARACTERISTICS

Values at 20°C

Frequency (MHz)	S/T	4	10	16	20	31.25	62.5	100	155	200
Attenuation max. (dB/100m)	Standard	4.1	6.5	8.3	9.3	11.7	17.0	22.0	-	-
	Typical	3.9	6.0	7.6	8.5	10.7	15.3	19.5	24.6	28.2
NEXT min. (dB)	Standard	56.3	50.3	47.2	45.8	42.9	38.4	35.3	-	-
	Typical	73.0	65.4	61.5	59.7	55.9	50.2	46.3	42.7	40.6
PSNEXT min. (dB)	Standard	53.3	47.3	44.2	42.8	39.9	35.4	32.3	-	-
	Typical	70.0	62.4	58.5	56.7	52.9	47.2	43.3	39.7	37.6
ACRF min. (dB)	Standard	52.0	44.0	39.9	38.0	34.1	28.1	24.0	-	-
	Typical	78.0	69.2	64.7	62.6	58.3	51.6	47.1	42.9	40.5
PSACRF min. (dB)	Standard	49.0	41.0	36.9	35.0	31.1	25.1	21.0	-	-
	Typical	75.0	66.2	61.7	59.6	55.3	48.6	44.1	39.9	37.5
Return Loss min. (dB)	Standard	23.0	25.0	25.0	25.0	23.6	21.5	20.1	-	-
	Typical	28.0	30.0	32.0	32.0	30.6	28.5	27.1	25.8	25.0