

# Cat.7 800 S/FTP LSZH Dca

## Contact

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- Complies to latest Cat 7 standard version
- Supports Class F applications
- Cable tested up to 800 MHz
- Flame retardant according to EN50575:2014+A1:2016 and IEC 60332-1
- Individual foiled pairs with global screen for EMC performance
- Compatible POE, POE+ and UPOE
- RoHS EC Directive compliant
- Compliant with European Reach regulation

## DESCRIPTION

### Application

S/FTP Category 7 cables are the high end offering from Nexans. Manufactured in accordance with ISO IEC 61156-5 requirements, the S/FTP cable is the best choice to support all Class F applications like Ethernet, Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet, ... The Cat 7 S/FTP cables are suitable for voice, data, CATV and sharing application installations up to 600 MHz. Nexans Cat.7 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.

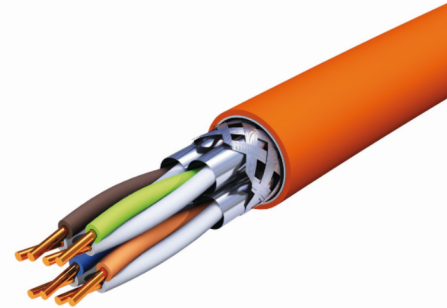
### Construction

1. Conductor: solid bare copper
2. Insulation : Polyethylen (EN 50290-2-23) - Two insulated conductors twisted to a pair
3. Screen: ALU/PET on each pair. Alu outside - 4/2 laid up together
4. Tinned copper braid
5. Outer Jacket : LSZH - Dca

### 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 gas emission in case of fire (IEC 60754-2 / EN 50267-2-2).

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



## STANDARDS

**International** EN 50173;  
EN 50288; EN 50575;  
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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## CHARACTERISTICS

### Construction characteristics

Sheath colour	Orange
Outer sheath	LSZH

### Dimensional characteristics

Number of pairs	4
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### Usage characteristics

Flame retardant	IEC 60332-1
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## PRODUCT LIST

Nexans Ref.	Country Ref.	Name	Packaging
☎ 10052204	-	NEX C7 800 S/FTP LSZH Dca 4P D1000 OR	Drum 1000m
☎ 10053444	-	NEX C7 800 S/FTP LSZH Dca 4P 500m ORANGE	Drum 500m

☎ = Make to order, 📦 = In stock,

## CAT 7 800 S/FTP

### TRANSMISSION CHARACTERISTICS

Values at 20°C

Frequency (MHz)	S/T	4	100	155	200	240	250	350	500	550	580	590	600	700	800
Attenuation max. (dB/100m)	Standard	3.7	19.0	24.0	27.5	30.3	31.0	37.2	45.3	47.7	49.2	49.6	50.1	-	-
	Typical	3.6	18.1	22.7	25.8	28.4	29.0	34.6	41.8	43.9	45.2	45.6	46.0	50.0	53.7
NEXT min. (dB)	Standard	75.0	72.4	69.5	67.9	66.7	66.4	64.2	61.9	61.3	60.9	60.8	60.7	-	-
	Typical	100.0	97.4	94.5	92.9	91.7	91.4	89.2	86.9	86.3	85.9	85.8	85.7	84.4	83.2
PSNEXT min. (dB)	Standard	75.0	69.4	66.5	64.9	63.7	63.4	61.2	58.9	58.3	57.9	57.8	57.7	-	-
	Typical	100.0	94.4	91.5	89.9	88.7	88.4	86.2	83.9	83.3	82.9	82.8	82.7	81.4	80.2
ACRF min. (dB)	Standard	75.0	55.3	51.5	49.3	47.7	47.3	44.4	41.3	40.5	40.0	39.9	39.7	-	-
	Typical	100.0	94.0	91.7	90.1	88.5	85.7	85.7	82.1	81.0	80.4	80.2	80.0	78.0	76.2
PSACRF min. (dB)	Standard	75.0	52.3	48.5	46.3	44.7	44.3	41.4	38.3	37.5	37.0	36.9	36.7	-	-
	Typical	98.2	91.0	88.7	87.1	85.8	85.5	82.7	79.1	78.0	77.4	77.2	77.0	75.0	73.2
Return Loss min. (dB)	Standard	23.0	20.1	18.8	18.0	17.4	17.3	17.3	17.3	17.3	17.3	17.3	17.3	-	-
	Typical	33.0	30.1	28.8	28.0	27.4	27.3	26.3	25.3	25.3	25.3	25.3	25.3	24.6	24.1