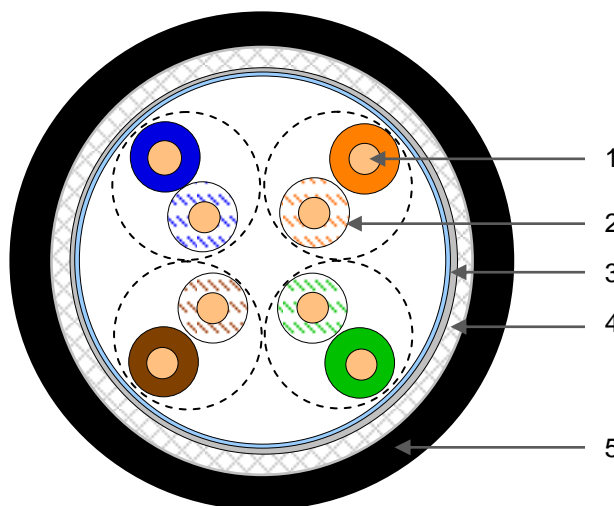


NEXANS SF/UTP 5E 4PR In&Out High Tensile Strength

LAN CAT5E cable for indoor and outdoor applications, suitable for :

- Fast Ethernet.
- Gigabit Ethernet.
- Power Over Ethernet.

High tensile strength : 450N.



Ref: ET 395816

Family

LAN CAT5e In&Out cable
IEC 61156
ISO/IEC 11801

Design

- [1] Conductor : Solid bare copper
Ø = 0,5mm - AWG24.
- [2] Insulation : Solid Polyethylene
Ø = 1,05mm max.
Two insulated conductors twisted to a pair.
4/2 laid up together.
- [3] Screen: Alu/Pet foil. Alu outside.
- [4] Tinned copper braid.
Coverage = 80%
Tensile strength = 450N
- [5] Jacket: 0HAL (LSZH, HFFR)
In&Out material – Black.
O.D. max = 6,9mm

Colour Code

Pair	Wire A	Wire B
1	WHITE-blue	BLUE
2	WHITE-orange	ORANGE
3	WHITE-green	GREEN
4	WHITE-brown	BROWN

Marking (each meter):

Nexans SF/UTP CATEGORY 5e
LSZH 4PR 24AWG 100Ohms
OUTDOOR ET395816
IEC61156-5 IEC60332-1
IEC60754 FF *Week(2digits)*
Year(2digits) Metric BatchNumber

Packaging:

1000m on reel.

Temperature Characteristics

Parameter	Unit	Value
During installation	°C	-20 to +50
Working (fixed installation) and storage	°C	-40 to +75

NEXANS SF/UTP 5E 4PR In&Out High Tensile Strength

■ Mechanical Characteristics

Parameter	Unit	Value
Minimum static bending radius	mm	30
Minimum dynamic bending radius	mm	60
Tensile strength (Pulling tension)	N	450
Nominal weight	Kg/km	55

■ In&Out Jacket Characteristics

Parameter	Applicable standard
Sheath material	NF C 32062-2
UV Resistant	NF C 32062-2 UV resistance testing
Raw material testing	IEC 60 811
UV and humidity resistance testing & Weather-O-Meter in atmospheric humidity testing	NF C 20540
UV and humidity resistance testing for outdoor cables	ETS300 019-1-4 class 4.1E
Indoor cables	ETS300 019-1-3 class 3.2

■ Environmental Characteristics

Parameter	Applicable standard
Fire performance	IEC 60 332-1 EN 50 265-1 & EN 50 265-2-1
Amount of halogen acid gas during combustion	IEC 60 754-1 & EN 50 267-2-1
Degree of acidity (corrosivity) of gases for materials during combustion	IEC 60 754-2 & EN 50 267-2-2
Smoke density during combustion	IEC 61 034-1/2 & EN 50 268-1/2
Information technology equipment - Safety	EN 60950
REACH	Directive 1907/2006/EC
RoHS	Directive 2002/95/EC

NEXANS SF/UTP 5E 4PR In&Out High Tensile Strength

■ Electrical Characteristics at 20°C

Parameter	Unit	Value
Conductor DC resistance	Ω/km	≤ 95
Overall screen DC resistance	Ω/km	≤ 11
Standard		
Dielectric strength (1min): $1500V_{DC}$.		
Dielectric strength (3sec): $5000V_{DC}$.		
Insulation resistance > 5000 MOhms.km.		
According to Standard CAT5e - IEC 61156-5 Ed.2		