

# NOVACORD

## S/FTP 4P C6A A24P PVC/PUR



Oxygen Free Copper  
99.9%



Overall and pairs  
shielded



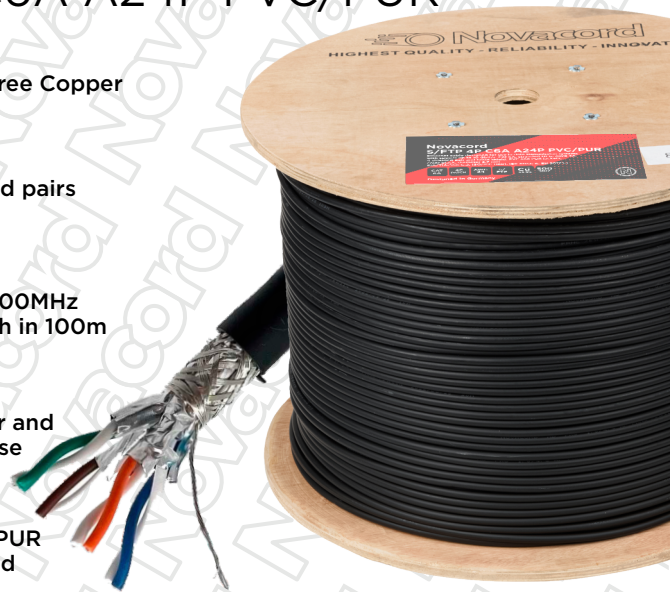
Provide 500MHz  
bandwidth in 100m



For Indoor and  
outdoor use



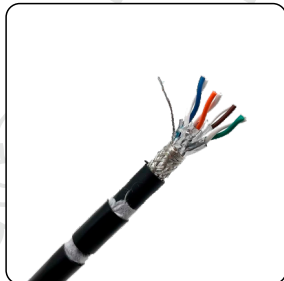
PVC and PUR  
upjacketed



A Category 6A twisted pair cable, also known as a LAN or Ethernet data cable is a copper wire cable twisted into several pairs and coated, which can support data transfer speeds of up to 10 gigabit. This higher bandwidth enables fast transfer of large files on the network.

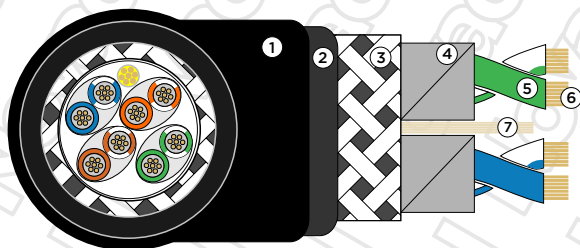
- Provide 500MHz bandwidth in 100m, typical speed rate: 10 Gbps
- Widely used for horizontal cabling in working area and LAN indoor, meets or exceeds Cat.6A standard
- High grade OFC (oxygen free copper) conductor, reliable electric transmission

Pictures:



**HIGHEST QUALITY - RELIABILITY - INNOVATION**

# Cat.6A S/FTP AWG24/7 industrial ethernet flexing cable, 4 pairs, no halogen PUR jacket, EN 50173-1



- 1 - Jacket
- 2 - Jacket #2
- 3 - Overall Screen
- 4 - Pairs Screen
- 5 - Insulation
- 6 - Conductor
- 7 - Drain wire

## Structure

<b>Conductor</b>	<b>Cross Sec. Area</b>	0.2 mm <sup>2</sup>
	<b>No. of Cores</b>	7 cores
	<b>Material</b>	OFC
	<b>Type of conductor</b>	Stranded
	<b>Strands</b>	7/0.2 mm
<b>Insulation</b>	<b>Material</b>	FPE
	<b>Diameter</b>	1.4 ±0.05 mm
	<b>Colors</b>	Orange, White/Orange, Green, White/Green, Blue, White/Blue, Brown, White/Brown,
<b>Twisting</b>	2 cores twisted to the pair	
<b>Overall screen</b>	<b>Type</b>	Braid
	<b>Material</b>	Tinned OFC
	<b>Composition</b>	96/0.1±0.008 mm, 80%
<b>Pairs screen</b>	<b>Material</b>	Foil
<b>Jacket #2</b>	<b>Material</b>	PVC
	<b>Diameter</b>	7.2 ±0.2 mm
	<b>Color</b>	Black
<b>Jacket</b>	<b>Material</b>	PUR
	<b>Diameter</b>	6.8 ±0.2 mm
	<b>Color</b>	Black
<b>Drain wire</b>	<b>Material</b>	Tinned Copper

# Cat.6A S/FTP AWG24/7 industrial ethernet flexing cable, 4 pairs, no halogen PUR and PVC upjacketed, EN 50173-1

## Mechanical properties

Bending radius	65 mm / 10xD (outer diameter)
Setting radius	30 mm
Temperature range	-40°C to +80°C
Tensile force	80 N

## Electrical properties

at 20 °C

DC loop resistance	≤ 145 Ω/km
Resistance unbalance	≤ 2%
Capacitance Mutual	Nom. 56 pF/km
Capacitance unbalance	≤ 1600 pF/km
Insulation resistance (500V)	≥ 5000 MΩ/km
Delay Skew	40 ns/100 m

## Transmission characteristics acc. to Category 7

at 20 °C

F	IL	Next	PS-NEXT	ACRF	PS-ACRF	Return Loss
(MHZ)	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB)
1	2.7	80	77			
4	5.5	80	77	58	55	23
10	8.5	80	77	50	47	25
16	10.8	80	77	46	43	25
20	12.1	80	77	44	41	25
31.2	15.2	80	77	40	37	23.6
62.5	27.8	75.1	72.1	34	31	21.5
100	27.8	72.4	69.4	30	27	20.1

## Application

IEEE 802.3; 10Base-T; 100Base-T; 1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Power over Ethernet (PoE) / PoE+

Tertiary (Horizontal)

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## Standarts

EIA/TIA-568-C.2

ISO/IEC 11801.

IEC 61156-6

EN 50173-1

EN 50288-6-1

IEEE 802.3at

Resistance

IEC 60332-1

IEC 60754-2

IEC 61034

IEC 60332-3-24

IEC 60811-2-1

## Technical data

Article	Delivery length	Box size	Weight
305B	305	400/400/250	12 kg

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