

# NOVACORD

## SF/UTP 4P C5E A26P PUR



Oxygen Free Copper  
99.9%



Overall double  
shielded



Provide 100MHz  
bandwidth in 100m



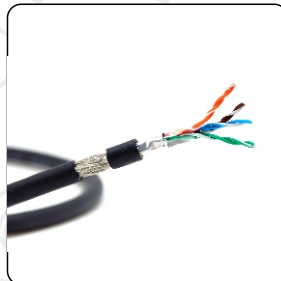
For Indoor  
use



A Category 5e 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 1 gigabit. This higher bandwidth enables fast transfer of large files on the network.

- Provide 100MHz bandwidth in 100m, typical speed rate: 1 Gbps
- Widely used for horizontal cabling in working area and LAN indoor, meets or exceeds Cat.5e standard
- High grade OFC (oxygen free copper) conductor, reliable electric transmission

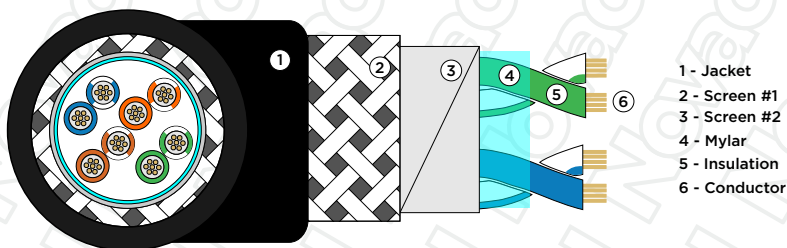
Pictures:



**HIGHEST QUALITY - RELIABILITY - INNOVATION**

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**Cat. 5e SF/UTP AWG26/7 industrial ethernet flexing cable, 4 pairs, no halogen PUR jacket, EN 50173-1**



**Structure**

<b>Conductor</b>	<b>Cross Sec. Area</b>	0.14 mm <sup>2</sup>
	<b>No. of Cores</b>	7 cores
	<b>Material</b>	OFC
	<b>Type of conductor</b>	Stranded
	<b>Strands</b>	7/0.16 mm
<b>Insulation</b>	<b>Material</b>	PE
	<b>Diameter</b>	0.98 ±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>Outer screen #1</b>	<b>Material</b>	Mylar
	<b>Material</b>	Aluminum Foil
<b>Outer screen #2</b>	<b>Type</b>	Braid
	<b>Material</b>	Tinned OFC
	<b>Composition</b>	96/0.1±0.008 mm, 80%
<b>Jacket</b>	<b>Material</b>	PUR
	<b>Diameter</b>	6.5 ±0.2 mm
	<b>Color</b>	Black

**Mechanical properties**

Bending radius	70 mm / 10xD (outer diameter)
Setting radius	35 mm
Temperature range	-40°C to +80°C
Tensile force	80 N

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## Electrical properties

at 20 °C

DC loop resistance	≤ 145 Ω/km
Resistance unbalance	≤ 5%
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 5e

at 20 °C

F	IL	Next	PS-NEXT	ACRF	PS-ACRF	Return Loss
(MHZ)	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB)
1	3.2	65.3	62.3	63.8	60.7	20
4	6	56.3	53.3	51.8	48.8	23
10	9.5	50.3	47.3	43.8	40.8	25
16	12	47.2	44.2	39.7	36.7	25
20	13.5	45.8	42.8	37.8	34.8	25
31.2	17.1	42.9	39.9	33.9	30.9	23.5
62.5	24.8	38.3	35.4	27.9	24.9	21.5
100	32	35.3	32.3	23.8	20.8	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
500DW	500	400/160/200	26.2 kg

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