



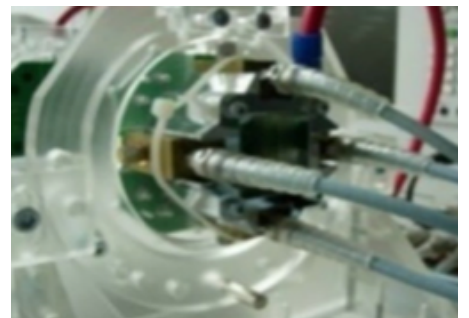
NCSA ORTRONICS Cable

BEST DESIGN

BEST QUALITY

BEST WORKMANSHIP

BEST PRICE





NCSA ORTRONICS CABLE

is specially design and build for

NCSA Ortronics Connectivity

Solution. We offer the best quality

product by premium quality

materials, best workmanship, and

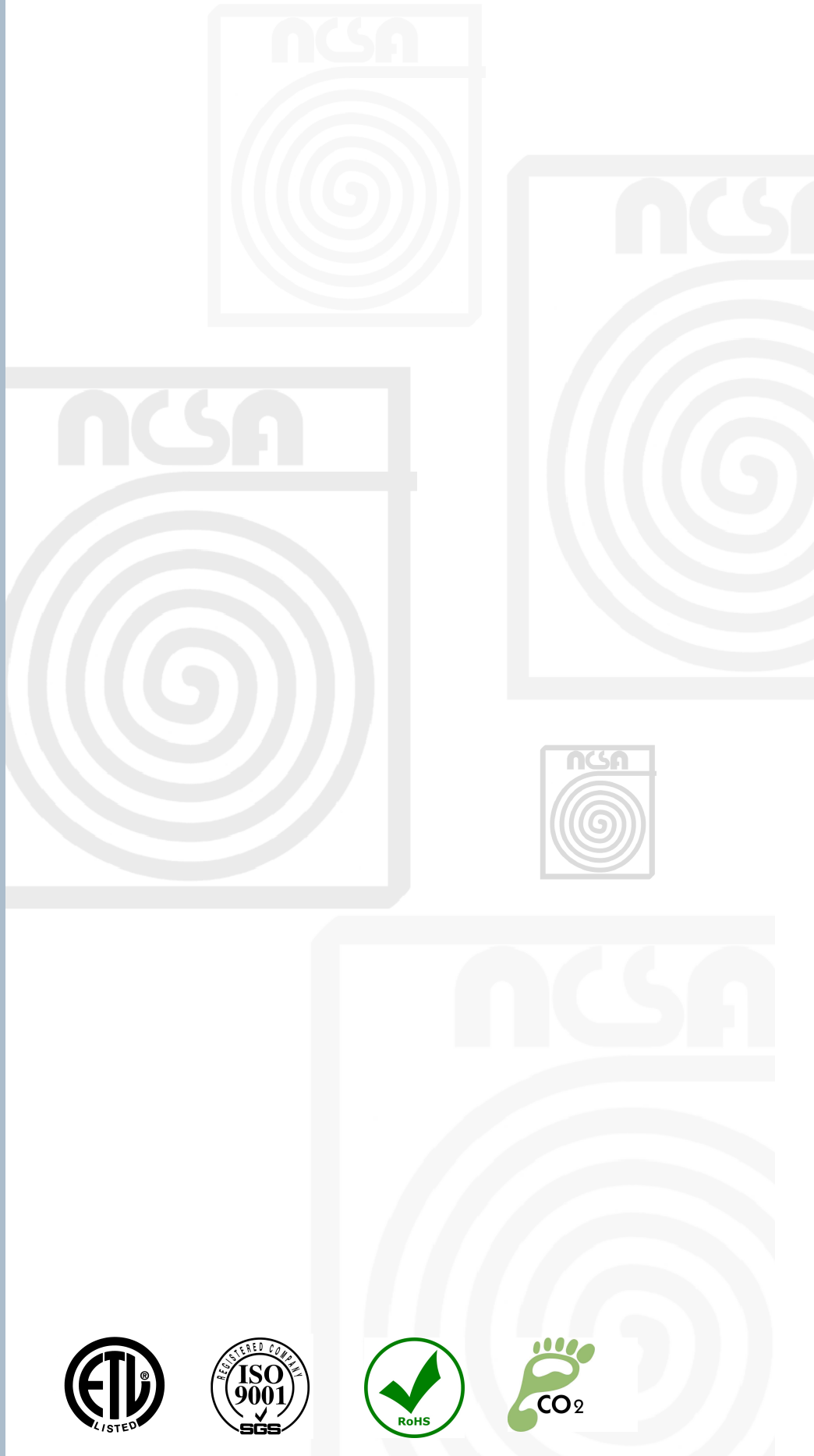
edging design. The research team

develop new mix of materials, and

new moulding system to build the

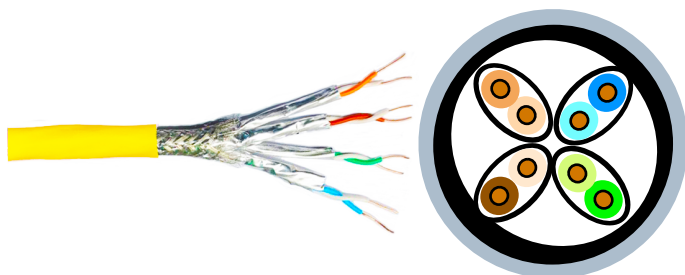
highest performance cable in a

very economical methodology.





COPPER SOLUTION



Cat 6A S/FTP Solid LAN Cable

NC-101SF6AM-XX (PVC) NC-101SF6AH-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 72%
- Characteristic Impedance (1 - 500 MHz) : 100 ± 15 Ohm
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- IEC 61156-6 Edition 2.0
- En 50288-6-2
- ANSI/TIA-568-C.2 - Cat 6a
- ISO11801 Edition 2 - CLASS EA
- EN 50173 Edition 2 - CLASS EA

Construction

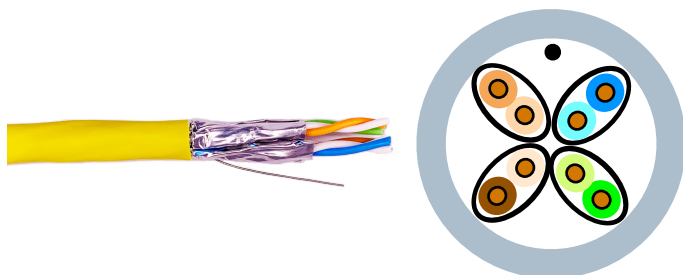
Conductor (dia.mm)	23 AWG (≥0.57)
Insulation (dia. mm)	FOPE (1.35)
Mylar Coverage (%)	≥125%
Drain Wire	TD
Al-PET Shielded	Aluminium Magnesium Alloy Wire
Jacket (Dia. mm)	PVC /LSZH (7.6)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard
1	2.1	2.0	74.3	76.8	72.2	74.8	72.3	74.8	70.2	72.8	20.0	22.0	67.8	70.3	64.8	67.3
4	3.8	3.7	65.3	67.8	61.5	64.1	63.3	65.8	59.5	62.1	23.0	25.0	55.8	58.3	52.8	55.3
10	5.9	5.8	59.3	61.8	53.4	56	57.3	59.8	51.4	54.0	25.0	27.0	47.8	50.3	44.8	47.3
16	7.5	7.3	56.2	58.7	48.8	51.4	54.2	56.7	46.8	49.4	25.0	27.0	43.7	46.2	40.7	43.2
20	8.4	8.2	54.8	57.3	46.4	49.1	52.8	55.3	44.4	47.1	25.0	27.0	41.8	44.3	38.8	41.3
25	9.4	9.2	53.3	55.8	44.0	46.6	51.3	53.8	42.0	44.6	24.3	26.3	39.8	42.3	36.8	39.3
31.25	10.5	10.3	51.9	54.4	41.4	44.1	49.9	52.4	39.4	42.1	23.6	25.6	37.9	40.4	34.9	37.4
62.5	15.0	14.7	47.4	49.9	32.4	35.2	45.4	47.9	30.4	33.2	21.5	23.5	31.9	34.4	28.9	31.4
100	19.1	18.8	44.3	46.8	25.2	28	42.3	44.8	23.2	26	20.1	22.1	27.8	30.3	24.8	27.3
200	27.6	27.0	39.8	42.3	17.4	15.3	37.8	40.3	10.2	13.3	18.0	20.0	21.8	24.3	18.8	21.3
250	31.1	30.4	38.3	40.8	12.2	10.4	36.3	38.8	5.3	8.4	17.3	19.3	19.8	22.3	16.8	19.3
300	34.3	33.6	37.1	39.6	7.3	6	35.1	37.6	0.9	4	16.8	18.8	18.3	20.8	15.3	17.8
350	37.2	36.5	36.1	38.6		2.1	34.1	36.6			16.3	18.3	16.9	19.4	13.9	16.4
400	40.1	39.3	35.3	37.8			33.3	35.8			15.9	17.9	15.8	18.3	12.8	15.3
450	42.7	41.9	34.5	37.0			32.5	35.0			15.5	17.5	14.7	17.2	11.7	14.2
500	45.3	44.4	33.8	36.3			31.8	34.3			15.2	17.2	13.8	16.3	10.8	13.3

Colour Code : - XX (last 2 digits in the Part Code)

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Cat 6A U/FTP Solid LAN Cable

NC-101UF6AM-XX (PVC) NC-101UF6AH-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 72%
- Characteristic Impedance (1 - 500 MHz) : 100 ± 15 Ohm
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- IEC 61156-6 Edition 2.0
- En 50288-6-2
- ANSI/TIA-568-C.2 - Cat 6a
- ISO11801 Edition 2 - CLASS EA
- EN 50173 Edition 2 - CLASS EA

Construction

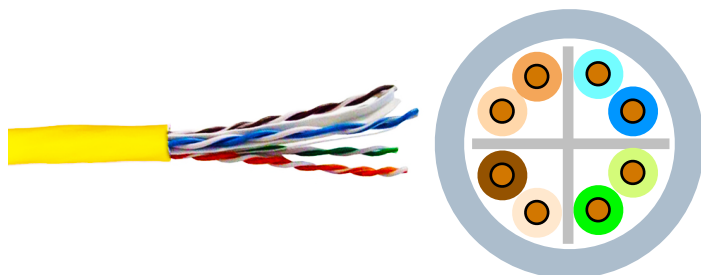
Conductor (dia.mm)	23 AWG (≥ 0.57)
Insulation (dia. mm)	FOPE (1.35)
Mylar Coverage (%)	$\geq 125\%$
Drain Wire	TD
Al-PET Shielded	$\geq 125\%$
Jacket (Dia. mm)	PVC /LSZH (7.6)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard
1	2.1	2.0	74.3	76.5	72.2	74.5	72.3	74.2	70.2	72.2	20.0	22.0	67.8	70.3	64.8	67.1
4	3.8	3.7	65.3	67.5	61.5	63.8	63.3	65.1	59.5	61.4	23.0	24.9	55.8	58.3	52.8	55.1
10	5.9	5.8	59.3	61.6	53.4	55.8	57.3	59.3	51.4	53.5	25.0	26.9	47.8	50.3	44.8	47.1
16	7.5	7.3	56.2	58.4	48.8	51.1	54.2	56.1	46.8	48.8	25.0	26.9	43.7	46.2	40.7	42.8
20	8.4	8.2	54.8	57.1	46.4	48.9	52.8	54.5	44.4	46.3	25.0	26.8	41.8	44.3	38.8	41.1
25	9.4	9.2	53.3	55.3	44.0	46.1	51.3	53.2	42.0	44	24.3	25.9	39.8	42.3	36.8	39.1
31.25	10.5	10.4	51.9	54.1	41.4	43.7	49.9	51.6	39.4	41.2	23.6	25.3	37.9	40.4	34.9	37.2
62.5	15.0	14.9	47.4	49.3	32.4	34.4	45.4	47.2	30.4	32.3	21.5	23.1	31.9	34.4	28.9	31.1
100	19.1	18.9	44.3	46.2	25.2	27.3	42.3	44.1	23.2	25.2	20.1	21.7	27.8	30.3	24.8	27.1
200	27.6	27.2	39.8	41.6	17.4	14.4	37.8	39.4	10.2	12.2	18.0	19.7	21.8	24.3	18.8	21.2
250	31.1	30.6	38.3	40.1	12.2	9.5	36.3	38.1	5.3	7.5	17.3	19.0	19.8	22.3	16.8	19.1
300	34.3	33.8	37.1	38.9	7.3	5.1	35.1	36.6	0.9	2.8	16.8	18.5	18.3	20.8	15.3	17.6
350	37.2	36.6	36.1	38.1		1.5	34.1	35.9			16.3	17.9	16.9	19.4	13.9	16.3
400	40.1	39.5	35.3	37.5			33.3	35.1			15.9	17.4	15.8	18.3	12.8	15.2
450	42.7	42.1	34.5	36.3			32.5	34.3			15.5	17.1	14.7	17.2	11.7	14.1
500	45.3	44.7	33.8	35.4			31.8	33.1			15.2	16.9	13.8	16.3	10.8	13.1

Colour Code : - XX (last 2 digits in the Part Code)

00	01	02	03	04	05	06	07	08	09
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Cat 6A U/UTP Solid LAN Cable

NC-101UU6AM-XX (PVC) NC-101UU6AH-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 72%
- Characteristic Impedance (1 - 500 MHz) : 100 ± 15 Ohm
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- IEC 61156-6 Edition 2.0
- En 50288-6-2
- ANSI/TIA-568-C.2 - Cat 6a
- ISO11801 Edition 2 - CLASS EA
- EN 50173 Edition 2 - CLASS EA

Construction

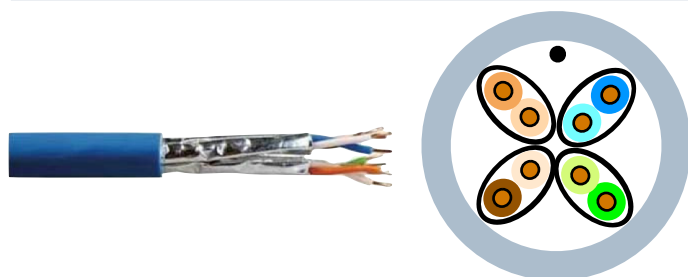
Conductor (dia.mm)	23 AWG (≥ 0.57)
Insulation (dia. mm)	FOPE (1.35)
Mylar Coverage (%)	$\geq 125\%$
Drain Wire	TD
Jacket (Dia. mm)	PVC /LSZH (7.6)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard
1	2.1	2.0	74.3	76.3	72.2	74.3	72.3	73.8	70.2	71.8	20.0	22.0	67.8	70.3	64.8	67.1
4	3.8	3.7	65.3	67.3	61.5	63.6	63.3	64.8	59.5	61.1	23.0	24.9	55.8	58.3	52.8	55.1
10	5.9	5.8	59.3	61.2	53.4	55.4	57.3	59.0	51.4	53.2	25.0	26.9	47.8	50.3	44.8	47.1
16	7.5	7.3	56.2	58.1	48.8	50.8	54.2	55.6	46.8	48.3	25.0	26.9	43.7	46.2	40.7	42.8
20	8.4	8.2	54.8	56.5	46.4	48.3	52.8	54.1	44.4	45.9	25.0	26.8	41.8	44.3	38.8	41.1
25	9.4	9.2	53.3	54.9	44.0	45.7	51.3	52.8	42.0	43.6	24.3	25.9	39.8	42.3	36.8	39.1
31.25	10.5	10.4	51.9	53.4	41.4	43	49.9	51.2	39.4	40.8	23.6	25.3	37.9	40.4	34.9	37.2
62.5	15.0	14.9	47.4	48.8	32.4	33.9	45.4	46.9	30.4	32	21.5	23.1	31.9	34.4	28.9	31.1
100	19.1	18.9	44.3	45.7	25.2	26.8	42.3	43.6	23.2	24.7	20.1	21.7	27.8	30.3	24.8	27.1
200	27.6	27.2	39.8	41.3	17.4	14.1	37.8	39.1	10.2	11.9	18.0	19.7	21.8	24.3	18.8	21.2
250	31.1	30.6	38.3	39.6	12.2	9	36.3	37.8	5.3	7.2	17.3	19.0	19.8	22.3	16.8	19.1
300	34.3	33.8	37.1	38.5	7.3	4.7	35.1	36.3	0.9	2.5	16.8	18.5	18.3	20.8	15.3	17.6
350	37.2	36.6	36.1	37.6		1.0	34.1	35.5			16.3	17.9	16.9	19.4	13.9	16.3
400	40.1	39.5	35.3	37.0			33.3	34.6			15.9	17.4	15.8	18.3	12.8	15.2
450	42.7	42.1	34.5	35.7			32.5	34.0			15.5	17.1	14.7	17.2	11.7	14.1
500	45.3	44.7	33.8	35.0			31.8	32.7			15.2	16.9	13.8	16.3	10.8	13.1

Colour Code : - XX (last 2 digits in the Part Code)

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Cat 6 U/FTP Solid LAN Cable

NC-101UF6M-XX (PVC) NC-101UF6H-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 68%
- Characteristic Impedance (1 - 250 MHz) : 100 ± 15 Ohm
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- IEC 61156-6 Edition 2.0
- En 50288-6-2
- EIA/TIA 568-C.2-1 - Cat 6
- ISO11801 Edition 2 - CLASS E
- EN 50173 Edition 2 - CLASS E

Construction

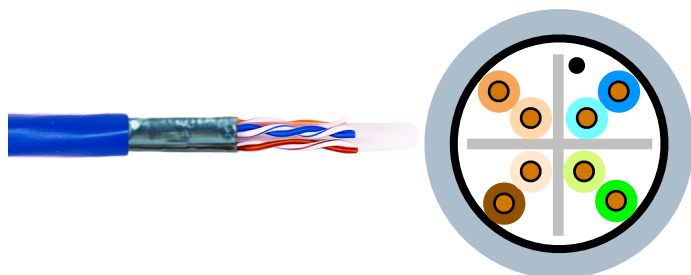
Conductor (dia.mm)	23 AWG (≥ 0.57)
Insulation (dia. mm)	Solid PE (1.02)
Mylar Coverage (%)	$\geq 125\%$
Drain Wire	TC
Al-PET Shielded	$\geq 125\%$
Jacket (Dia. mm)	PVC /LSZH (7.20)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard
1	2.0	2.0	74.3	73.4	72.3	71.4	72.3	78.1	70.3	76.1	20.0	19.5	67.8	72.9	64.8	70.5
4	3.8	3.6	65.3	72.5	61.5	68.9	63.3	72.2	59.5	68.6	23.0	23.5	55.7	61.2	52.7	58.5
10	6.0	5.1	59.3	71.7	53.3	66.6	57.3	72.1	51.3	67.0	25.0	25.2	47.8	55.4	44.8	52.6
16	7.6	5.7	56.3	70.4	48.6	64.7	54.3	71.7	46.6	66.0	25.0	25.8	43.7	53.6	40.7	50.3
20	8.5	7.2	54.8	69.6	46.3	62.4	52.8	69.7	44.3	62.5	25.0	25.7	41.7	49.5	38.7	46.5
25	9.5	8.1	53.3	69.3	43.8	61.2	51.3	68.7	41.8	60.6	24.3	25.6	39.8	47.2	36.8	44.3
31.25	10.7	8.9	51.9	68.7	41.2	59.8	49.9	66.5	39.2	57.6	23.6	24.8	37.9	45.4	34.9	42.5
62.5	15.4	10.3	47.4	64.7	32.0	54.4	45.4	61.1	30	50.8	21.5	24.3	31.8	43.6	28.8	40/2
100	19.8	14.3	44.3	61.8	24.5	47.5	42.3	59.1	22.5	44.8	20.1	22.2	27.8	37.8	24.8	24.7
200	29.0	18.7	39.8	57.1	10.8	38.4	37.8	54.5	8.8	35.8	18.0	20.7	21.7	33.4	18.7	30.4
250	32.8	26.8	38.3	56.1	5.5	29.3	36.3	52.8	3.5	26.0	17.3	18.5	19.8	27.5	16.8	24.5
300		30.4		55.1		24.7		51.5		21.1		17.7		25.6		22.6
350		33.1		54.1		21.0		50.7		17.6		17.1		23.9		21.1
400		38.5		53.2		14.7		49.3		10.8		16.5		22.5		19.8
450		44.3		51.8		7.5		47.8		3.5		16.2		21.4		18.4
500		48.3		50.6		2.3		47.5		-0.8		15.5		19.8		16.9

Colour Code : - XX (last 2 digits in the Part Code)

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Cat 6 F/UTP Solid LAN Cable

NC-101FU6M-XX (PVC) NC-101FU6H-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 70%
- Characteristic Impedance (1 - 250 MHz) : 100 ± 15 Ohm
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- IEC 61156-5 Edition 2.0
- En 50288-5-1
- EIA/TIA 568-C.2-1 - Cat 6
- ISO11801 Edition 2 - CLASS E
- EN 50173 Edition 2 - CLASS E

Construction

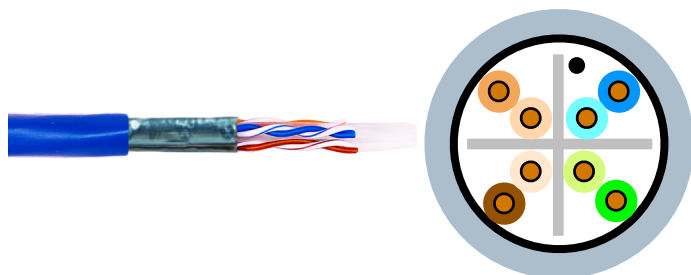
Conductor (dia.mm)	23 AWG (≥ 0.57)
Insulation (dia. mm)	Solid PE (1.02)
Filler	Cross member
Mylar Coverage (%)	$\geq 125\%$
Drain Wire	TC
Al-PET Shielded	$\geq 125\%$
Jacket (Dia. mm)	PVC /LSZH (7.20)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard
1	2.0	1.7	74.3	92.7	72.3	91.0	72.3	90.4	70.3	88.7	20.0	26.8	67.8	84.3	64.8	82.5
4	3.8	3.4	65.3	83.5	61.5	80.1	63.3	81.4	59.5	78.0	23.0	31.2	55.7	72.5	52.7	70.6
10	6.0	5.4	59.3	76.9	53.3	71.5	57.3	74.9	51.3	69.5	25.0	33.2	47.8	54.9	44.8	62.6
16	7.6	6.9	56.3	74.2	48.6	67.3	54.3	72.0	46.6	65.1	25.0	32.8	43.7	61.0	40.7	58.8
20	8.5	7.7	54.8	72.7	46.3	65.0	52.8	70.6	44.3	62.9	25.0	33.0	41.7	59.3	38.7	57.9
25	9.5	8.7	53.3	71.2	43.8	62.5	51.3	69.1	41.8	60.4	24.3	34.6	39.8	57.2	36.8	55.2
31.25	10.7	9.8	51.9	69.1	41.2	59.3	49.9	67.2	39.2	57.4	23.6	34.7	37.9	55.1	34.9	53.1
62.5	15.4	14.2	47.4	64.6	32.0	50.4	45.4	62.6	30.0	48.4	21.5	34.0	31.8	49.5	28.8	47.5
100	19.8	18.1	44.3	62.2	24.5	44.1	42.3	60.3	22.5	42.2	20.1	33.0	27.8	45.7	24.8	43.5
200	29.0	26.3	39.8	57.0	10.8	30.7	37.8	55.0	8.8	28.7	18.0	30.6	21.7	39.8	18.7	37.4
250	32.8	29.8	38.3	56.0	5.5	26.2	36.3	53.8	3.5	24.0	17.3	29.8	19.8	38.1	16.8	35.3
300		33.0		54.5		21.5		52.3		19.3		28.7		36.3		33.2
350		35.9		53.1		17.2		50.8		14.9		27.3		35.0		32.5
400		38.5		50.9		12.4		48.6		10.1		26.7		33.6		30.6
450		41.3		48.3		7.0		46.3		5.0		25.8		32.4		29.5
500		44.0		48.8		4.8		46.0		2.0		24.7		30.9		28.5

Colour Code : - XX (last 2 digits in the Part Code)

00	01	02	03	04	05	06	07	08	09
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Cat 6 F/UTP Solid LAN Cable (Thin)

NC-100FU6M-XX (PVC) NC-100FU6H-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 70%
- Characteristic Impedance (1 - 250 MHz) : 100 ± 15 Ohm
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- IEC 61156-5 Edition 2.0
- En 50288-5-1
- EIA/TIA 568-C.2-1 - Cat 6
- ISO11801 Edition 2 - CLASS E
- EN 50173 Edition 2 - CLASS E

Construction

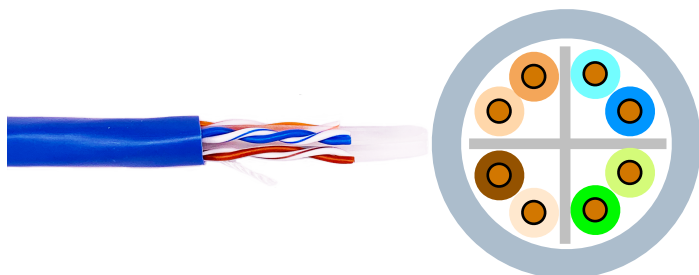
Conductor (dia.mm)	23 AWG (≥ 0.565)
Insulation (dia. mm)	Solid PE (1.02)
Filler	Cross member
Mylar Coverage (%)	$\geq 125\%$
Drain Wire	TC
Al-PET Shielded	$\geq 125\%$
Jacket (Dia. mm)	PVC /LSZH (7.20)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard
1	2.0	1.8	74.3	92.3	72.3	90.5	72.3	90.1	70.3	88.3	20.0	26.3	67.8	83.8	64.8	82.0
4	3.8	3.6	65.3	83.1	61.5	79.5	63.3	81.2	59.5	77.6	23.0	30.6	55.7	71.7	52.7	70.1
10	6.0	5.6	59.3	76.5	53.3	70.9	57.3	74.7	51.3	69.1	25.0	32.6	47.8	54.0	44.8	62.1
16	7.6	7.2	56.3	73.8	48.6	66.6	54.3	71.8	46.6	64.6	25.0	33.3	43.7	60.2	40.7	58.3
20	8.5	7.9	54.8	72.4	46.3	64.5	52.8	70.5	44.3	62.6	25.0	33.3	41.7	58.6	38.7	57.2
25	9.5	8.9	53.3	70.9	43.8	62	51.3	69.0	41.8	60.1	24.3	34.4	39.8	56.7	36.8	54.5
31.25	10.7	10.0	51.9	68.6	41.2	58.6	49.9	67.0	39.2	57.0	23.6	34.5	37.9	54.8	34.9	52.7
62.5	15.4	14.5	47.4	64.2	32.0	49.7	45.4	62.4	30.0	47.9	21.5	33.7	31.8	49.0	28.8	47.0
100	19.8	18.4	44.3	61.9	24.5	43.5	42.3	60.1	22.5	41.7	20.1	33.4	27.8	45.2	24.8	43.0
200	29.0	26.7	39.8	56.4	10.8	29.7	37.8	54.9	8.8	28.2	18.0	30.1	21.7	39.4	18.7	36.8
250	32.8	30.2	38.3	53.4	5.5	23.2	36.3	53.6	3.5	23.4	17.3	29.5	19.8	37.3	16.8	34.8
300		33.4		52.1		18.7		52.2		18.8		28.3		35.7		32.6
350		36.5		49.5		13		49.2		12.7		26.8		34.5		31.5
400		38.9		48.1		9.2		48.0		9.1		26.1		33.1		30.0
450		41.7		47.2		5.5		47.0		5.3		25.5		32.0		29.1
500		44.7		46.9		2.2		46.7		2		24.3		30.4		28.2

Colour Code : - XX (last 2 digits in the Part Code)

00	01	02	03	04	05	06	07	08	09
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Cat 6 U/UTP Solid LAN Cable (TIA)

NC-101UU6M-XX (PVC) NC-101UU6H-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 69%
- Characteristic Impedance (1 - 250 MHz) : 100 ± 15 Ohm
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)
- ETL file number : 101062359CRT-001

Standard and performances

- IEC 61156-5 Edition 2.0
- En 50288-6-1
- EIA/TIA 568-C.2-1 - Cat 6
- ISO11801 Edition 2 - CLASS E
- EN 50173 Edition 2 - CLASS E

Construction

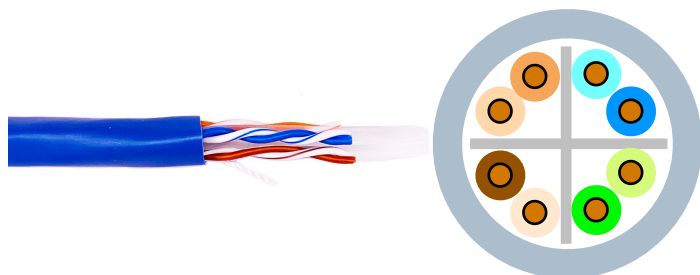
Conductor (dia.mm)	23 AWG (≥ 0.57)
Insulation (dia. mm)	Solid PE (0.94)
Filler	Cross member
Jacket (Dia. mm)	PVC /LSZH (6.00)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard
1	2.0	1.8	74.3	88.1	72.3	86.3	72.3	88.6	70.3	86.8	20.0	25.1	67.8	81.2	64.8	78.9
4	3.8	3.5	65.3	78.6	61.5	75.1	63.3	78.9	59.5	75.4	23.0	29.9	55.7	68.8	52.7	68.1
10	6.0	5.4	59.3	72.8	53.3	67.4	57.3	72.1	51.3	66.7	25.0	31.2	47.8	62.1	44.8	60.0
16	7.6	6.8	56.3	71.7	48.6	64.9	54.3	70.4	46.6	63.6	25.0	31.1	43.7	59.3	40.7	56.2
20	8.5	7.8	54.8	68.5	46.3	60.7	52.8	69.2	44.3	61.4	25.0	31.5	41.7	57.1	38.7	55.4
25	9.5	8.8	53.3	67.4	43.8	58.6	51.3	68.7	41.8	59.9	24.3	31.9	39.8	56.2	36.8	53.3
31.25	10.7	9.9	51.9	65.9	41.2	56.0	49.9	66.5	39.2	56.6	23.6	32.2	37.9	52.9	34.9	51.2
62.5	15.4	14.0	47.4	60.2	32.0	46.2	45.4	61.1	30.0	47.1	21.5	32.1	31.8	46.8	28.8	45.1
100	19.8	18.1	44.3	58.6	24.5	40.5	42.3	59.3	22.5	41.2	20.1	31.0	27.8	36.5	24.8	40.8
200	29.0	26.2	39.8	53.3	10.8	27.1	37.8	53.8	8.8	27.6	18.0	28.7	21.7	35.2	18.7	35.9
250	32.8	29.6	38.3	50.1	5.5	20.5	36.3	50.2	3.5	20.6	17.3	27.1	19.8	34.2	16.8	34.1
300		32.8		48.9		16.1		47.0		14.2		25.5		30.3		31.9
350		35.9		47.5		11.6		45.7		9.8		23.6		29.6		29.6
400		38.8		46.5		7.7		43.8		5.0		20.1		28.1		28.5
450		42.3		43.2		0.9		42.8		0.5		19.3		27.3		27.7
500		46.4		41.0		-5.4		41.7		-4.7		18.7		26.5		26.1

Colour Code : - XX (last 2 digits in the Part Code)

00	01	02	03	04	05	06	07	08	09
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Cat 6 U/UTP Solid LAN Cable (Thin)

NC-100UU6M-XX (PVC) NC-100UU6H-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 68%
- Characteristic Impedance (1 - 250 MHz) : $100 \pm 15 \text{ Ohm}$
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- IEC 61156-5 Edition 2.0
- En 50288-6-1
- EIA/TIA 568-C.2-1 - Cat 6
- ISO11801 Edition 2 - CLASS E
- EN 50173 Edition 2 - CLASS E

Construction

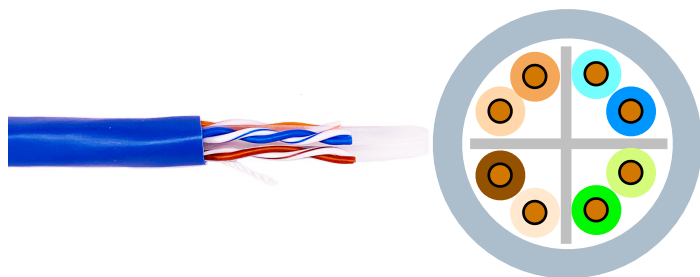
Conductor (dia.mm)	24 AWG (≥ 0.55)
Insulation (dia. mm)	Solid PE (0.94)
Filler	Cross member
Jacket (Dia. mm)	PVC /LSZH (6.00)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard
1	2.0	1.9	74.3	78.3	72.3	76.4	72.3	79.4	70.3	77.5	20.0	22.6	67.8	74.8	64.8	77.2
4	3.8	3.7	65.3	71.6	61.5	67.9	63.3	72.5	59.5	68.8	23.0	25.7	55.7	61.7	52.7	68.5
10	6.0	5.7	59.3	67.8	53.3	62.1	57.3	67.5	51.3	61.8	25.0	28.9	47.8	58.3	44.8	58.9
16	7.6	7.3	56.3	63.5	48.6	56.2	54.3	63.2	46.6	55.9	25.0	29.5	43.7	53.7	40.7	53.4
20	8.5	8.2	54.8	61.2	46.3	53.0	52.8	61.2	44.3	53	25.0	30.4	41.7	50.7	38.7	51.9
25	9.5	9.1	53.3	60.0	43.8	50.9	51.3	59.8	41.8	50.7	24.3	31.9	39.8	50.1	36.8	49.2
31.25	10.7	10.3	51.9	58.4	41.2	48.1	49.9	58.3	39.2	48.0	23.6	30.7	37.9	47.6	34.9	45.7
62.5	15.4	14.9	47.4	54.3	32.0	39.4	45.4	54.4	30.0	39.5	21.5	27.5	31.8	39.0	28.8	35.1
100	19.8	19.3	44.3	50.2	24.5	30.9	42.3	50.3	22.5	31	20.1	25.3	27.8	30.5	24.8	28.9
200	29.0	28.2	39.8	47.4	10.8	19.2	37.8	47.2	8.8	19	18.0	22.9	21.7	25.8	18.7	21.8
250	32.8	31.8	38.3	41.0	5.5	9.2	36.3	40.8	3.5	9	17.3	21.6	19.8	22.9	16.8	20.1
300																
350																
400																
450																
500																

Colour Code : - XX (last 2 digits in the Part Code)

00	01	02	03	04	05	66	07	08	09
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Cat 6 U/UTP Solid LAN Cable (Extra-Thin)

NC-099UU6M-XX (PVC) NC-099UU6H-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 68%
- Characteristic Impedance (1 - 250 MHz) : 100 ± 15 Ohm
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- IEC 61156-5 Edition 2.0
- En 50288-6-1
- EIA/TIA 568-C.2-1 - Cat 6
- ISO11801 Edition 2 - CLASS E
- EN 50173 Edition 2 - CLASS E

Construction

Conductor (dia.mm) 24 AWG (≥ 0.53)

Insulation (dia. mm) Solid PE (0.94)

Filler Cross member

Jacket (Dia. mm) PVC /LSZH (6.00)

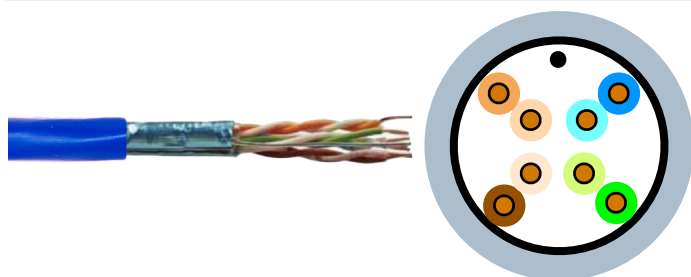
No. of Pairs 4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard
1	2.0	2.0	74.3	74.3	72.3	72.3	72.3	72.3	70.3	70.3	20.0	20.0	67.8	67.8	64.8	64.8
4	3.8	3.8	65.3	65.3	61.5	61.5	63.3	63.3	59.5	59.5	23.0	23.0	55.7	55.7	52.7	52.7
10	6.0	6.0	59.3	59.3	53.3	53.3	57.3	57.3	51.3	51.3	25.0	25.0	47.8	47.8	44.8	44.8
16	7.6	7.6	56.3	56.3	48.6	48.7	54.3	54.3	46.6	46.7	25.0	25.0	43.7	43.7	40.7	40.7
20	8.5	8.5	54.8	54.8	46.3	46.3	52.8	52.8	44.3	44.3	25.0	25.0	41.7	41.7	38.7	38.7
25	9.5	9.5	53.3	53.3	43.8	43.8	51.3	51.3	41.8	41.8	24.3	24.3	39.8	39.8	36.8	36.8
31.25	10.7	10.7	51.9	51.9	41.2	41.2	49.9	49.9	39.2	39.2	23.6	23.6	37.9	37.9	34.9	34.9
62.5	15.4	15.4	47.4	47.4	32.0	32	45.4	45.4	30.0	30	21.5	21.5	31.8	31.8	28.8	28.8
100	19.8	19.8	44.3	44.3	24.5	24.5	42.3	42.3	22.5	22.5	20.1	20.1	27.8	27.8	24.8	24.8
200	29.0	29.0	39.8	39.8	10.8	10.8	37.8	37.8	8.8	8.8	18.0	18.0	21.7	21.7	18.7	18.7
250	32.8	32.8	38.3	38.3	5.5	5.5	36.3	36.3	3.5	3.5	17.3	17.3	19.8	19.8	16.8	16.8
300																
350																
400																
450																
500																

Colour Code : - XX (last 2 digits in the Part Code)

00	01	02	03	04	05	66	07	08	09
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Cat 5E F/UTP Solid LAN Cable

NC-101FU5EM-XX (PVC) NC-101FU5EH-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 70%
- Characteristic Impedance (1 - 100 MHz): 100 ± 15 Ohm
- Bending radius (min.) : 8X cable diameter
- Flame retardancy: CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- EIA/TIA 568A
- ISO11801 Edition 2 - CLASS D

Construction

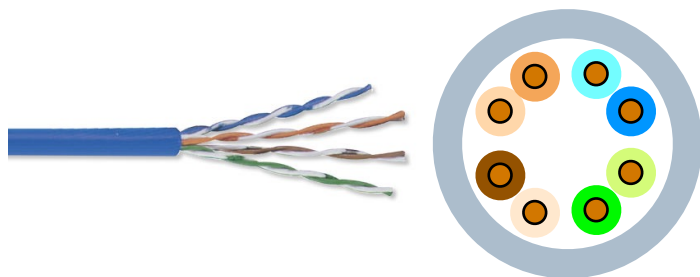
Conductor (dia.mm)	24 AWG (≥ 0.51)
Insulation (dia. mm)	HDPE (0.95)
Mylar Coverage (%)	$\geq 125\%$
Drain Wire	TC (0.50)
Al-PET Shielded	$\geq 125\%$
Jacket (Dia. mm)	PVC /LSZH (6.50)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard
1	2.0	1.9	65.3	75.9	63.3	74.0	62.3	76.9	60.3	75.0	20.0	26.2	63.8	70.2	60.8	68.0
4	4.1	3.5	56.3	67.2	52.2	63.7	53.3	66.5	49.2	63.0	23.0	33.3	51.7	57.8	48.7	58.1
8	5.8	5.1	51.8	63.4	46.0	58.3	48.8	62.1	43.0	57.0	24.5	33.8	45.7	53.2	42.7	52.1
10	6.5	5.6	50.3	61.9	43.8	56.3	47.3	60.9	40.8	55.3	25.0	34.1	43.8	51.1	40.8	50.6
16	8.2	7.4	47.3	58.5	39.1	51.1	44.3	57.8	36.1	50.4	25.0	33.4	39.7	47.6	36.7	46.4
20	9.3	8.0	45.8	58.1	36.5	50.1	42.8	56.2	33.5	48.2	25.0	32.4	37.7	46.1	34.7	44.2
25	10.4	9.4	44.3	56.2	33.9	46.8	41.3	54.6	30.9	45.2	24.3	32.7	35.8	44.2	32.8	42.1
31.25	11.7	10.4	42.9	54.7	31.2	44.3	39.9	53.6	28.2	43.2	23.6	32.5	33.9	42.1	30.9	39.9
62.5	17.0	15.0	38.4	49.8	21.4	34.8	35.4	48.3	18.4	33.3	21.5	30.1	27.8	35.9	24.8	34.3
100	22.0	18.5	35.3	46.3	13.3	27.8	32.3	45.2	10.3	26.7	20.1	29.3	23.8	32.2	20.0	30.2
155		23.2		44.6		21.4		42.7		19.5		28.2		29.3		27.1
200		27.5		43.5		16.0		41.5		14.0		27.3		27.1		25.0
250		29.9		41.6		11.7		39.9		10.0		26.1		25.1		23.1
300		34.6		40.3		5.7		39.3		4.7		25.1		23.7		21.5
350		37.9		39.7		1.8		38.4		0.5		24.0		22.5		20.3

Colour Code : - XX (last 2 digits in the Part Code)

00	01	02	03	04	05	06	07	08	09
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Cat 5E U/UTP Solid LAN Cable (TIA)

NC-101UU5EM-XX (PVC) NC-101UU5EH-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 70%
- Characteristic Impedance (1 - 100 MHz) : 100 ± 15 Ohm
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- IEC 61156-5 Edition 2.0
- En 50288-3-1
- EIA/TIA 568-C.2 - Cat 5e
- ISO11801 Edition 2 - CLASS D
- EN 50173 Edition 2 - CLASS D

Construction

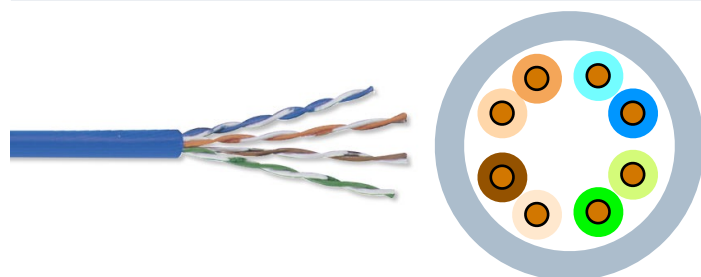
Conductor (dia.mm)	24 AWG (≥0.50)
Insulation (dia. mm)	HDPE (0.92)
Nylon rip cord	150D
Jacket (Dia. mm)	PVC /LSZH (5.20)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard	TIA-568- C.2	NCSA Standard
1	2.0	1.8	65.3	75.4	63.3	73.6	62.3	75.2	60.3	73.4	20.0	32.5	63.8	73.6	60.8	68.5
4	4.1	3.5	56.3	66.4	52.2	62.9	53.3	65.8	49.2	62.3	23.0	35.4	51.8	62.0	48.8	56.8
8	5.8	5.1	51.8	62.3	46.0	57.2	48.8	61.2	43.0	56.1	24.5	37.0	45.7	55.8	42.7	50.7
10	6.5	5.6	50.3	61.0	43.8	55.4	47.3	59.7	40.8	54.1	25.0	37.3	43.8	53.8	40.8	48.3
16	8.2	7.4	47.2	57.4	39.0	50.0	44.3	56.8	36.1	49.4	25.0	37.2	39.7	50.0	36.7	44.9
20	9.3	8.0	45.8	56.3	36.5	48.3	42.8	55.1	33.5	47.1	25.0	37.4	37.8	47.6	34.8	42.5
25	10.4	9.4	44.3	55	33.9	45.6	41.3	53.5	30.9	44.1	24.3	36.5	35.8	45.9	32.8	40.2
31.25	11.7	10.4	42.9	53.9	31.2	43.5	39.9	52.0	28.2	41.6	23.6	35.6	33.9	43.9	30.9	38.6
62.5	17.0	15.0	38.4	48.9	21.4	33.9	35.4	47.5	18.4	32.5	21.5	33.8	27.9	37.4	24.9	33.0
100	22.0	19.0	35.3	45.3	13.3	26.3	32.3	44.6	10.3	25.6	20.1	32.7	23.8	33.6	20.8	28.6
155		23.7		43.8		20.1		42.1		18.4		31.0		29.5		25.0
200		27.9		42.4		14.5		41.2		13.3		30.4		28.3		22.3
250		30.4		40.7		10.3		39.7		9.3		29.9		26.0		20.4
300		35.1		39.6		4.5		38.9		3.8		28.3		25.2		19.8
350		38.2		38.8		0.6		38.3		0.1		26.3		23.7		18.4

Colour Code : - XX (last 2 digits in the Part Code)

00	01	02	03	04	05	06	07	08	09
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Cat 5E U/UTP Solid LAN Cable (Thin)

NC-100UU5EM-XX (PVC) NC-100UU5EH-XX (LSZH)

Technical Data

- Temperature range : -40 to +70 °C
- NVP : 70%
- Characteristic Impedance (1 - 100 MHz) : $100 \pm 15 \text{ Ohm}$
- Bending radius (min.) : 8X cable diameter
- Flame retardancy : CM , PVC , LSZH (IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- IEC 61156-5 Edition 2.0
- En 50288-3-1
- EIA/TIA 568-C.2 - Cat 5e
- ISO11801 Edition 2 - CLASS D
- EN 50173 Edition 2 - CLASS D

Construction

Conductor (dia.mm)	24 AWG (≥ 0.49)
Insulation (dia. mm)	HDPE (0.92)
Nylon rip cord	150D
Jacket (Dia. mm)	PVC /LSZH (5.20)
No. of Pairs	4

Electrical Specifications @ 20°C

Frequency MHz	Insertion Loss Maximum dB/100m		NEXT Minimum dB/100m		ACR Minimum dB/100m		PSNEXT Minimum dB/100m		PSACR Minimum dB/100m		Return Loss Minimum dB/100m		ACRF Minimum dB/100m		PSACRF Minimum dB/100m	
	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard	TIA-568-C.2	NCSA Standard
1	2.0	2.0	65.3	65.3	63.3	63.3	62.3	62.3	60.3	60.3	20.0	20.0	63.8	63.8	60.8	60.8
4	4.1	4.1	56.3	56.3	52.2	52.2	53.3	53.3	49.2	49.2	23.0	23.0	51.8	51.8	48.8	48.8
8	5.8	5.8	51.8	51.8	46.0	46.0	48.8	48.8	43.0	43.0	24.5	24.5	45.7	45.7	42.7	42.7
10	6.5	6.5	50.3	50.3	43.8	43.8	47.3	47.3	40.8	40.8	25.0	25.0	43.8	43.8	40.8	40.8
16	8.2	8.2	47.2	47.2	39.0	39.0	44.3	44.3	36.1	36.1	25.0	25.0	39.7	39.7	36.7	36.7
20	9.3	9.3	45.8	45.8	36.5	36.5	42.8	42.8	33.5	33.5	25.0	25.0	37.8	37.8	34.8	34.8
25	10.4	10.4	44.3	44.3	33.9	33.9	41.3	41.3	30.9	30.9	24.3	24.3	35.8	35.8	32.8	32.8
31.25	11.7	11.7	42.9	42.9	31.2	31.2	39.9	39.9	28.2	28.2	23.6	23.6	33.9	33.9	30.9	30.9
62.5	17.0	17.0	38.4	38.4	21.4	21.4	35.4	35.4	18.4	18.4	21.5	21.5	27.9	27.9	24.9	24.9
100	22.0	22.0	35.3	35.3	13.3	13.3	32.3	32.3	10.3	10.3	20.1	20.1	23.8	23.8	20.8	20.8
155																
200																
250																
300																
350																

Colour Code : - XX (last 2 digits in the Part Code)

00	01	02	03	04	05	06	07	08	09
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Cat 5 Multi-Core Cable

(25 pairs, 50 pairs, 100 pairs)

PVC :

NC-1013UT5SC-XX (25p)	NC-1015UT5SC-XX (50p)	NC-1016UT5SC-XX (100p)
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LSZH :

NC-1013UT5SH-XX (25p)	NC-1015UT5SH-XX (50p)	NC-1016UT5SH-XX (100p)
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Technical Data

- Temperature range : -40 to +70 °C
- Characteristic Impedance (1 - 100 MHz) : 100 ± 15 Ohm
- Maximum Resistance Unbalance : 5%
- Maximum Capacitance Unbalance : 330 pF/100 meters
- Maximum Delay Skew: 45 sn/100 meters
- Bending radius (min.) : 20 X cable diameter
- Flame retardancy : CM , PVC , LSZH
(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- ISO/IEC 11801 Edition 2
- EN 50173-1
- EIA/TIA 568B.2

Construction

Conductor (dia.mm)	B.C 0.50mm
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Jacke (Dia. mm)	
- 25 Pairs	PVC /LSZH (12.6)
- 50 Pairs	PVC /LSZH (15.9)
- 100 Pairs	PVC /LSZH (22.5)

No. of Conductors	
- 25 Pairs	50
- 50 Pairs	100
- 100 Pairs	200

Colour Code : - XX (last 2 digits in the Part Code)

08



Cat 3 Multi-Core Cable

(25 pairs, 50 pairs, 100 pairs)

PVC :

NC-1013UU3SC-XX (25p)	NC-1015UU3SC-XX (50p)	NC-1016UU3SC-XX (100p)
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LSZH :

NC-1013UU3SH-XX (25p)	NC-1015UU3SH-XX (50p)	NC-1016UU3SH-XX (100p)
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Technical Data

- Temperature range : -40 to +70 °C
- Characteristic Impedance (1 - 100 MHz) : 100 ± 15 Ohm
- Maximum Resistance Unbalance : 5%
- Maximum Capacitance Unbalance : 330 pF/100 meters
- Maximum Delay Skew : 45 ns/100 meters
- Bending radius (min.) : 20 X cable diameter
- Flame retardancy : CM , PVC , LSZH

(IEC 60332-1, IEC 60332-2, IEC 60332-3)

Standard and performances

- ISO/IEC 11801 Edition 2
- EN 50173-1
- EIA/TIA 568B.2

Construction

Conductor (dia.mm)

B.C 0.40mm

Jacke (Dia. mm)

- 25 Pairs
- 50 Pairs
- 100 Pairs

PVC /LSZH (12.6)
PVC /LSZH (15.9)
PVC /LSZH (22.5)

No. of Conductors

- 25 Pairs
- 50 Pairs
- 100 Pairs

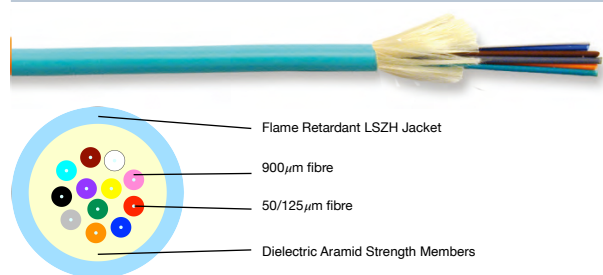
50
100
200

Colour Code : - XX (last 2 digits in the Part Code)

08



FIBRE SOLUTION



OPTICAL FIBRE OM4 50/125 TIGHT BUFFERED CABLE

Product Code:

NC-211FXXTGLZOM4
(XX for fibre core count)

Product Description

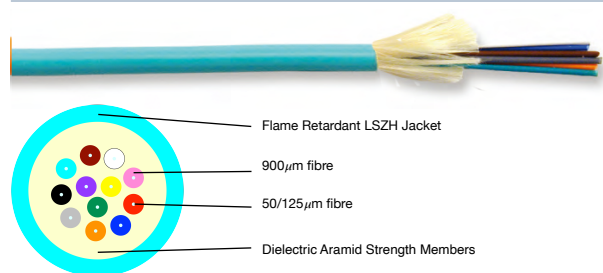
The Microarray Data Centre Interconnect Cable from NCSA ORTRONICS is designed for high performance in a small package. The microarray data centre cable has 2 to 576 cores 900micron fibres. The Tight Buffered fibres are surrounded by aramid yarns and a low smoke zero Halogen (LSZH) jacket.

Applications

- Data centre plug and play cable installations
- Outside Plant (OSP)-premises transitions

Specification	
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Telcordia GR-409-CORE, Issue 2 ANSI/ICEA S-83-596 ANSI/TIA-568-C.3 RoHS-compliant

Part Number	Listing	Fibre Count	Nominal Diameter (mm)	Mini Bend Radius (mm)	Max Tensile Loading (N)
NC-211F2TGLZOM4	LSZH	2	4.4	50	200
NC-211F4TGLZOM4	LSZH	4	4.7	50	200
NC-211F6TGLZOM4	LSZH	6	5	50	200
NC-211F8TGLZOM4	LSZH	8	5.4	6	200
NC-211F10TGLZOM4	LSZH	10	5.8	60	200
NC-211F12TGLZOM4	LSZH	12	6.2	65	400
NC-211F14TGLZOM4	LSZH	14	6.5	65	400
NC-211F16TGLZOM4	LSZH	16	6.8	70	400
NC-211F18TGLZOM4	LSZH	18	7	70	400
NC-211F20TGLZOM4	LSZH	20	7.3	75	400
NC-211F22TGLZOM4	LSZH	22	7.5	75	400
NC-211F24TGLZOM4	LSZH	24	7.8	85	400
NC-211F48TGLZOM4	LSZH	48	8.6	95	400



OPTICAL FIBRE OM3 50/125 TIGHT BUFFERED CABLE

Product Code:

NC-211FXXTGLZOM3
(XX for fibre core count)

Product Description

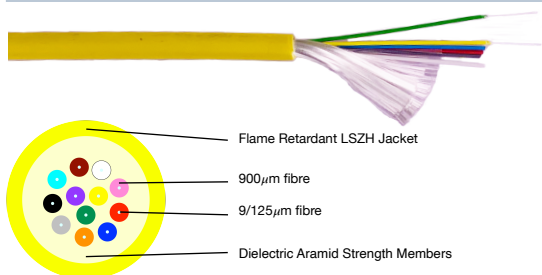
The Microarray Data Centre Interconnect Cable from NCSA ORTRONICS is designed for high performance in a small package. The microarray data centre cable has 2 to 576 cores 900micron fibres. The Tight Buffered fibres are surrounded by aramid yarns and a low smoke zero Halogen (LSZH) jacket.

Applications

- Data centre plug and play cable installations
- Outside Plant (OSP)-premises transitions

Specification	
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Telcordia GR-409-CORE, Issue 2 ANSI/ICEA S-83-596 ANSI/TIA-568-C.3 RoHS-compliant

Part Number	Listing	Fibre Count	Nominal Diameter (mm)	Mini Bend Radius (mm)	Max Tensile Loading (N)
NC-211F2TGLZOM3	LSZH	2	4.4	50	200
NC-211F4TGLZOM3	LSZH	4	4.7	50	200
NC-211F6TGLZOM3	LSZH	6	5	50	200
NC-211F8TGLZOM3	LSZH	8	5.4	6	200
NC-211F10TGLZOM3	LSZH	10	5.8	60	200
NC-211F12TGLZOM3	LSZH	12	6.2	65	400
NC-211F14TGLZOM3	LSZH	14	6.5	65	400
NC-211F16TGLZOM3	LSZH	16	6.8	70	400
NC-211F18TGLZOM3	LSZH	18	7	70	400
NC-211F20TGLZOM3	LSZH	20	7.3	75	400
NC-211F22TGLZOM3	LSZH	22	7.5	75	400
NC-211F24TGLZOM3	LSZH	24	7.8	85	400
NC-211F48TGLZOM3	LSZH	48	8.6	95	400



OPTICAL FIBRE OS2 9/125 TIGHT BUFFERED CABLE

Product Code:

NC-211FXXTGLZ9
(XX for fibre core count)

Product Description

The Microarray Data Centre Interconnect Cable from NCSA ORTRONICS is designed for high performance in a small package. The microarray data centre cable has 2 to 576 cores 900micron fibres. The Tight Buffered fibres are surrounded by aramid yarns and a low smoke zero Halogen (LSZH) jacket.

Applications

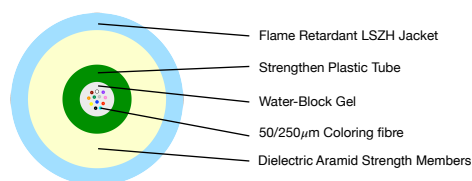
- Data centre plug and play cable installations
- Outside Plant (OSP)-premises transitions

Specification

Performance Compliance

UL 1651
CSA C22.2 No. 232
UL 1666
NFPA 262
Telcordia GR-409-CORE, Issue 2
ANSI/ICEA S-83-596
ANSI/TIA-568-C.3
RoHS-compliant

Part Number	Listing	Fibre Count	Nominal Diameter (mm)	Mini Bend Radius (mm)	Max Tensile Loading (N)
NC-211F2TGLZ9	LSZH	2	4.4	50	200
NC-211F4TGLZ9	LSZH	4	4.7	50	200
NC-211F6TGLZ9	LSZH	6	5	50	200
NC-211F8TGLZ9	LSZH	8	5.4	6	200
NC-211F10TGLZ9	LSZH	10	5.8	60	200
NC-211F12TGLZ9	LSZH	12	6.2	65	400
NC-211F14TGLZ9	LSZH	14	6.5	65	400
NC-211F16TGLZ9	LSZH	16	6.8	70	400
NC-211F18TGLZ9	LSZH	18	7	70	400
NC-211F20TGLZ9	LSZH	20	7.3	75	400
NC-211F22TGLZ9	LSZH	22	7.5	75	400
NC-211F24TGLZ9	LSZH	24	7.8	85	400
NC-211F48TGLZ9	LSZH	48	8.6	95	400



OPTICAL FIBRE OM4 50/125 LOOSE TUBE CABLE

Product Code:

NC-211FXXLZADOM4
(XX for fibre core count)

Product Description

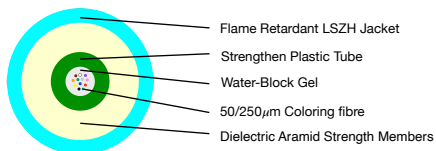
The Microarray Data Centre Interconnect Cable from NCSA ORTRONICS is designed for high performance in a small package. The microarray data centre cable has 2 to 576 cores 250 micron fibres. The loose fibres are surrounded by water-block gel, strengthen plastic tube, aramid yarns and a low smoke zero Halogen (LSZH) jacket.

Applications

- Data centre plug and play cable installations
- Outside Plant (OSP)-premises transitions

Specification	
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Telcordia GR-409-CORE, Issue 2 ANSI/ICEA S-83-596 ANSI/TIA-568-C.3 RoHS-compliant

Part Number	Listing	Fibre Count	Nominal Diameter (mm)	Mini Bend Radius (mm)	Max Tensile Loading (N)
NC-211F4LZADOM4	LSZH	4	5	80	200
NC-211F6LZADOM4	LSZH	6	5.4	80	200
NC-211F8LZADOM4	LSZH	8	5.8	80	200
NC-211F10LZADOM4	LSZH	10	6.2	80	200
NC-211F12LZADOM4	LSZH	12	6.5	95	200
NC-211F14LZADOM4	LSZH	14	6.8	95	400
NC-211F16LZADOM4	LSZH	16	7	110	400
NC-211F18LZADOM4	LSZH	18	7.3	110	400
NC-211F20LZADOM4	LSZH	20	7.5	110	400
NC-211F22LZADOM4	LSZH	22	7.8	120	400
NC-211F24LZADOM4	LSZH	24	8.1	120	400
NC-211F48LZADOM4	LSZH	48	8.8	120	400



OPTICAL FIBRE OM3 50/125 LOOSE TUBE CABLE

Product Code:

NC-211FXXLZADOM3
(XX for fibre core count)

Product Description

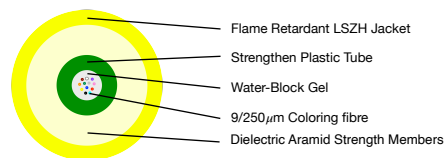
The Microarray Data Centre Interconnect Cable from NCSA ORTRONICS is designed for high performance in a small package. The microarray data centre cable has 2 to 576 cores 250 micron fibres. The loose fibres are surrounded by water-block gel, strengthen plastic tube, aramid yarns and a low smoke zero Halogen (LSZH) jacket.

Applications

- Data centre plug and play cable installations
- Outside Plant (OSP)-premises transitions

Specification	
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Telcordia GR-409-CORE, Issue 2 ANSI/ICEA S-83-596 ANSI/TIA-568-C.3 RoHS-compliant

Part Number	Listing	Fibre Count	Nominal Diameter (mm)	Mini Bend Radius (mm)	Max Tensile Loading (N)
NC-211F4LZADOM3	LSZH	4	5	80	200
NC-211F6LZADOM3	LSZH	6	5.4	80	200
NC-211F8LZADOM3	LSZH	8	5.8	80	200
NC-211F10LZADOM3	LSZH	10	6.2	80	200
NC-211F12LZADOM3	LSZH	12	6.5	95	200
NC-211F14LZADOM3	LSZH	14	6.8	95	400
NC-211F16LZADOM3	LSZH	16	7	110	400
NC-211F18LZADOM3	LSZH	18	7.3	110	400
NC-211F20LZADOM3	LSZH	20	7.5	110	400
NC-211F22LZADOM3	LSZH	22	7.8	120	400
NC-211F24LZADOM3	LSZH	24	8.1	120	400
NC-211F48LZADOM3	LSZH	48	8.8	120	400



OPTICAL FIBRE OS2 9/125 LOOSE TUBE CABLE

Product Code:
NC-211FXXLZAD9
(XX for fibre core count)

Product Description

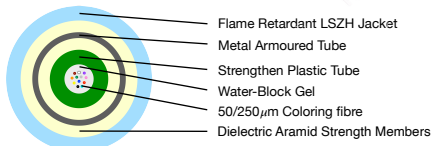
The Microarray Data Centre Interconnect Cable from NCSA ORTRONICS is designed for high performance in a small package. The microarray data centre cable has 2 to 576 cores 250 micron fibres. The loose fibres are surrounded by water-block gel, strengthen plastic tube, aramid yarns and a low smoke zero Halogen (LSZH) jacket.

Applications

- Data centre plug and play cable installations
- Outside Plant (OSP)-premises transitions

Specification	
Performance Compliance	UL 1651 CSA C22.2 No. 232 UL 1666 NFPA 262 Telcordia GR-409-CORE, Issue 2 ANSI/ICEA S-83-596 ANSI/TIA-568-C.3 RoHS-compliant

Part Number	Listing	Fibre Count	Nominal Diameter (mm)	Mini Bend Radius (mm)	Max Tensile Loading (N)
NC-211F4LZAD9	LSZH	4	5	80	200
NC-211F6LZAD9	LSZH	6	5.4	80	200
NC-211F8LZAD9	LSZH	8	5.8	80	200
NC-211F10LZAD9	LSZH	10	6.2	80	200
NC-211F12LZAD9	LSZH	12	6.5	95	200
NC-211F14LZAD9	LSZH	14	6.8	95	400
NC-211F16LZAD9	LSZH	16	7	110	400
NC-211F18LZAD9	LSZH	18	7.3	110	400
NC-211F20LZAD9	LSZH	20	7.5	110	400
NC-211F22LZAD9	LSZH	22	7.8	120	400
NC-211F24LZAD9	LSZH	24	8.1	120	400
NC-211F48LZAD9	LSZH	48	8.8	120	400



OPTICAL FIBRE OM4 50/125 LOOSE TUBE METAL ARMoured CABLE

Product Code:

NC-211FXXLZAMDOM4
(XX for fibre core count)

Product Description

The Microarray Data Centre Interconnect Cable from NCSA ORTRONICS is designed for high performance in a small package. The microarray data centre cable has 2 to 576 cores 250 micron fibres. The loose fibres are surrounded by water-block gel, strengthen plastic tube, metal armoured tube, aramid yarns and a low smoke zero Halogen (LSZH) jacket.

Applications

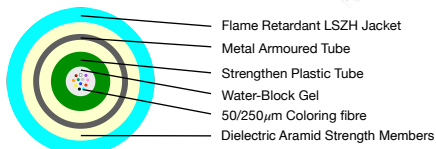
- Data centre plug and play cable installations
- Outside Plant (OSP)-premises transitions

Specification

Performance Compliance

UL 1651
CSA C22.2 No. 232
UL 1666
NFPA 262
Telcordia GR-409-CORE, Issue 2
ANSI/ICEA S-83-596
ANSI/TIA-568-C.3
RoHS-compliant

Part Number	Listing	Fibre Count	Nominal Diameter (mm)	Mini Bend Radius (mm)	Max Tensile Loading (N)
NC-211F4LZAMDOM4	LSZH	4	7.7	150	200
NC-211F6LZAMDOM4	LSZH	6	7.7	150	200
NC-211F8LZAMDOM4	LSZH	8	8.1	150	200
NC-211F10LZAMDOM4	LSZH	10	8.1	150	200
NC-211F12LZAMDOM4	LSZH	12	9.1	170	200
NC-211F14LZAMDOM4	LSZH	14	9.1	170	400
NC-211F16LZAMDOM4	LSZH	16	9.5	200	400
NC-211F18LZAMDOM4	LSZH	18	9.5	200	400
NC-211F20LZAMDOM4	LSZH	20	9.5	200	400
NC-211F22LZAMDOM4	LSZH	22	9.5	250	400
NC-211F24LZAMDOM4	LSZH	24	10.5	250	400
NC-211F48LZAMDOM4	LSZH	48	15.5	250	400



OPTICAL FIBRE OM3 50/125 LOOSE TUBE METAL ARMoured CABLE

Product Code:

NC-211FXXLZAMDOM3
(XX for fibre core count)

Product Description

The Microarray Data Centre Interconnect Cable from NCSA ORTRONICS is designed for high performance in a small package. The microarray data centre cable has 2 to 576 cores 250 micron fibres. The loose fibres are surrounded by water-block gel, strengthen plastic tube, metal armoured tube, aramid yarns and a low smoke zero Halogen (LSZH) jacket.

Applications

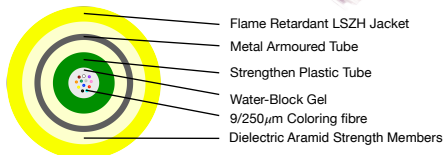
- Data centre plug and play cable installations
- Outside Plant (OSP)-premises transitions

Specification

Performance Compliance

UL 1651
CSA C22.2 No. 232
UL 1666
NFPA 262
Telcordia GR-409-CORE, Issue 2
ANSI/ICEA S-83-596
ANSI/TIA-568-C.3
RoHS-compliant

Part Number	Listing	Fibre Count	Nominal Diameter (mm)	Mini Bend Radius (mm)	Max Tensile Loading (N)
NC-211F4LZAMDOM3	LSZH	4	7.7	150	200
NC-211F6LZAMDOM3	LSZH	6	7.7	150	200
NC-211F8LZAMDOM3	LSZH	8	8.1	150	200
NC-211F10LZAMDOM3	LSZH	10	8.1	150	200
NC-211F12LZAMDOM3	LSZH	12	9.1	170	200
NC-211F14LZAMDOM3	LSZH	14	9.1	170	400
NC-211F16LZAMDOM3	LSZH	16	9.5	200	400
NC-211F18LZAMDOM3	LSZH	18	9.5	200	400
NC-211F20LZAMDOM3	LSZH	20	9.5	200	400
NC-211F22LZAMDOM3	LSZH	22	9.5	250	400
NC-211F24LZAMDOM3	LSZH	24	10.5	250	400
NC-211F48LZAMDOM3	LSZH	48	15.5	250	400



OPTICAL FIBRE OS2 9/125 LOOSE TUBE METAL ARMoured CABLE

Product Code:

NC-211FXX4LZAMD9
(XX for fibre core count)

Product Description

The Microarray Data Centre Interconnect Cable from NCSA ORTRONICS is designed for high performance in a small package. The microarray data centre cable has 2 to 576 cores 250 micron fibres. The loose fibres are surrounded by water-block gel, strengthen plastic tube, metal armoured tube, aramid yarns and a low smoke zero Halogen (LSZH) jacket.

Applications

- Data centre plug and play cable installations
- Outside Plant (OSP)-premises transitions

Specification

Performance Compliance

UL 1651
CSA C22.2 No. 232
UL 1666
NFPA 262
Telcordia GR-409-CORE, Issue 2
ANSI/ICEA S-83-596
ANSI/TIA-568-C.3
RoHS-compliant

Part Number	Listing	Fibre Count	Nominal Diameter (mm)	Mini Bend Radius (mm)	Max Tensile Loading (N)
NC-211F4LZAMD9	LSZH	4	7.7	150	200
NC-211F6LZAMD9	LSZH	6	7.7	150	200
NC-211F8LZAMD9	LSZH	8	8.1	150	200
NC-211F10LZAMD9	LSZH	10	8.1	150	200
NC-211F12LZAMD9	LSZH	12	9.1	170	200
NC-211F14LZAMD9	LSZH	14	9.1	170	400
NC-211F16LZAMD9	LSZH	16	9.5	200	400
NC-211F18LZAMD9	LSZH	18	9.5	200	400
NC-211F20LZAMD9	LSZH	20	9.5	200	400
NC-211F22LZAMD9	LSZH	22	9.5	250	400
NC-211F24LZAMD9	LSZH	24	10.5	250	400
NC-211F48LZAMD9	LSZH	48	15.5	250	400

中国区域
中国北京市朝阳区高碑店乡
高碑店村民俗文化大街
1703号1F02室
Phone: +86.010.53580175

Asia Pacific
3rd Floor Hang Seng Building, No. 200
Hennessy Road, Wanchai, Hong Kong
Phone (HKG): +852.2633.8000

South East Asia
17 Neythal Road,
Singapore. 628582
Phone (SNG): +65.9628.1028

Europe/Middle East/Africa
Great King Street North
Birmingham, B19 2LF
United Kingdom
Phone: +44(0).796.730.9227

Latin America
Montes Urales NO. 715 3er Piso
Col. Lomas de Chapultepec
MEXICO D.F. - C.P. 11000
Phone: +52.55.5201.6450

Level 2, OVAL Building, Hi-tech City,
Madhapur, Hyderabad - 500081, India
Phone: +91.40.4433.4234

ORTRONICS

Global Headquarters
125 Eugene O' Neill Drive
New London, CT 06320
Phone: +1.800.934.5432
or +1.860.445.3900
Fax: +1.860.405.2992

www.ortronics.asia
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