

# Screened FTP Cat 7A LSZH Cable 1,200MHz

pro-POWER

RoHS  
Compliant



## Application:

Horizontal Wiring in LAN

## Multi-Construction

: 4 Pair

## Cable Construction

Conductor : Solid Bare Copper

Conductor Area CSA : 0.32mm<sup>2</sup>

Wire Size AWG : 22

Construction : 0.62 ±0.01

Standard Dia.(mm) : 0.62

**Insulation** : Skin - Foam - Skin

Average Thickness : 0.4

Insulation Dia.(mm) : 1.45 ±0.1 × 2C Twist

Al-Pet shield(on each pair, Al outward) : ≥115%

Braiding Shield : Tin-Plated Copper Wire

Construction : 0.12 ±0.003 × 8 × 6

## Jacket

Jacket Material : Low Smoke Zero Halogen (LSZH)  
Flame Retardant Polyethylene

Thickness(mm) : 0.7

Dia.(mm) : 8.2 ±0.3

Jacket Colour : Grey

## Colour

**Insulation colour are** : Blue, White/Blue  
Orange, White/Orange  
Green, White/Green  
Brown, White/Brown

## Characteristics

Max. Conductor DC Resistance at 20°C (Ω/Km) : <66.6

Rated Temperature(°C) : 70

Velocity ratio : 78%

Impedance(Ω) : 1-100MHz 100 ±15

100-250MHz 100 ±20

250-500MHz 100 ±25

500-1,000MHz 100 ±30

1,000-1,200MHz 100 ±32

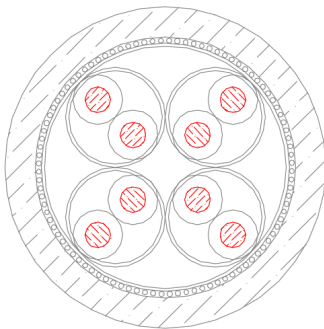
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## Performance:

Frequency (MHz)	Attenuation (dB)	NEXT (dB)	PS NEXT (dB)	Return loss (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	2.1	78	75	20	78	75
4	3.7	78	75	23	78	75
10	5.8	78	75	25	75.3	72.3
16	7.3	78	75	25	71.2	68.2
31.25	10.3	78	75	23.6	65.4	62.4
62.5	14.6	78	75	21.5	59.4	56.4
100	18.5	75.4	72.4	20.1	55.3	52.3
250	29.7	69.4	66.4	17.3	47.3	44.3
500	42.8	64.9	61.9	17.3	41.3	38.3
600	47.1	63.7	60.7	17.3	39.7	36.7
900	58.5	61.1	58.1	15.5	36.2	33.2
1,000	61.9	60.4	57.4	15.1	35.3	32.3
1,200	68.4	59.2	56.2	14.3	33.7	30.7

## Design:



## Part Number Table

Description	Part Number
Cable, MULTIPR, 4PR, CAT 7A, LSZH, GRY, 100m	PP000428
Cable, MULTIPR, 4PR,, CAT 7A, LSZH, GRY, 500m	PP000429

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