

Screened FTP Cat 7 LSZH Cable 900MHz

pro-POWER

RoHS
Compliant



Application:

Horizontal Wiring in LAN

Multi-Construction

: 4 Pair

Cable Construction

Conductor : Solid Bare Copper

Conductor Area CSA : 0.26mm²

Wire Size AWG : 23

Construction : 0.58 ±0.01

Standard Dia.(mm) : 0.58

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) : 0.8

Dia.(mm) : 7.8 ±0.25

Jacket Colour : Grey

Colour

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

Characteristics

Max. Conductor DC Resistance at 20°C (Ω/Km) : <76.1

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

Screened FTP Cat 7 LSZH Cable

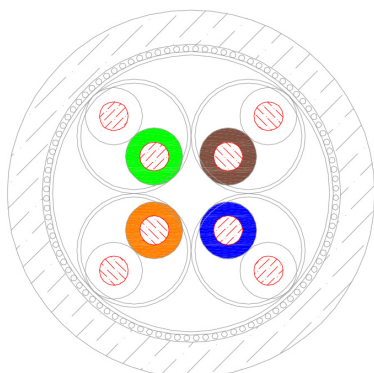
900MHz



Performance:

Frequency (MHz)	Attenuation (dB/100m) Max.	NEXT (dB/100m) Min.	PSNEXT (dB/100m) Min.	ELFEXT (dB/100m) Min.	PSELFEXT (dB/100m) Min.	Return loss (dB/100m) Min.
1	2.01	78	75	78	75	20
4	3.74	78	75	78	75	23.01
10	5.86	78	75	78	75	25
16	7.41	78	75	71.22	68.22	25
31.25	10.41	78	75	65.4	62.4	23.64
62.5	14.88	75.46	72.46	59.38	56.38	21.54
100	19.02	72.4	69.4	55.3	52.3	20.11
250	30.97	66.43	63.43	47.34	44.34	17.32
500	45.26	61.92	58.92	41.32	38.32	17.3
600	50.1	60.73	57.73	39.74	36.74	17.3
900	63.01	58.09	55.09	36.22	33.22	13.43

Design:



Part Number Table

Description	Part Number
Cable, MULTIPR, 4PR, CAT 7, LSZH, GRY, 100m	PP000420
Cable, MULTIPR, 4PR, CAT 7, LSZH, GRY, 500m	PP000421

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