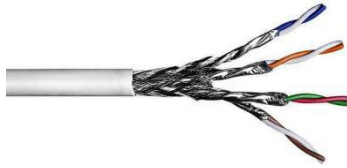


7A20004



7A20004 Category 7A S/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel

Product Classification

Regional Availability	EMEA
Portfolio	LITANG®
Product Type	Twisted pair cable

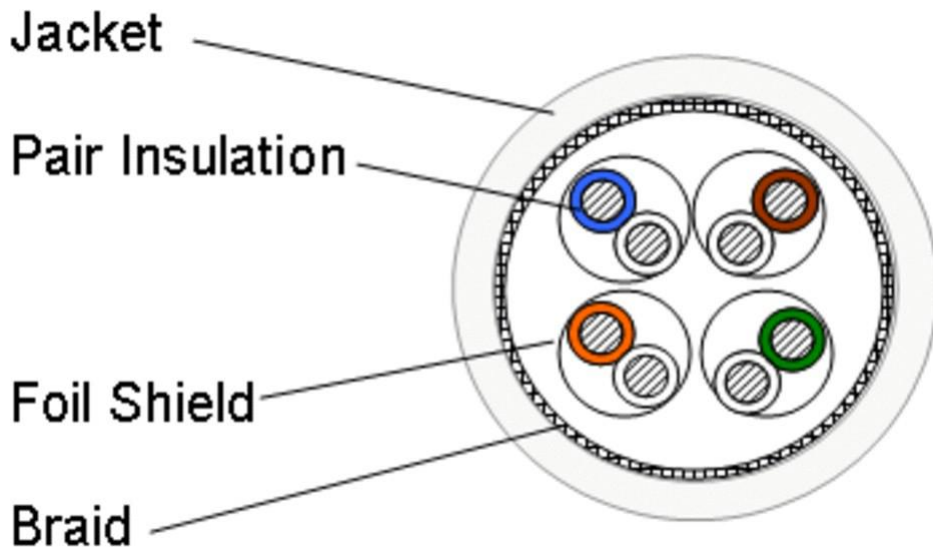
General Specifications

Product Number	7A20004
ANSI/TIA Category	7A
Cable Component Type	Horizontal
Cable Type	S/FTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	White
Pairs, quantity	4
Transmission Standards	ISO/IEC 11801 ClassFA

Dimensions

Cable Length	1640 ft 499.872 m
Cable Length Tolerance	±5%
Diameter Over Jacket, nominal	0.295 in 7.493 mm
Jacket Thickness	0.025 in 0.635 mm
Conductor Gauge, singles	23 AWG

Cross Section Drawing



Electrical Specifications

dc Resistance Unbalance, maximum	2 %
dc Resistance, maximum	7.61 ohms/100 m 2.32 ohms/100 ft
Mutual Capacitance at Frequency	4.3 nF/100 m @ 1kHz
Nominal Velocity of Propagation (NVP)	76 %
Operating Frequency, maximum	1000 MHz
Operating Voltage, maximum	80 V

Electrical Performance

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IL	Insertion Loss (dB/100m)
NEXT	Near End Crosstalk (dB/100m)
PSNEXT	Power Sum Near End Crosstalk (dB/100m)
ELFEXT	Equal-Level Far End Crosstalk (dB/100m)
PSELFEXT	Power Sum Equal-Level Far End Crosstalk (dB/100m)
RL	Return Loss (dB)

Freq (MHz)	IL	NEXT	PSNEXT	ELFEXT	PSELFEXT	RL
1	2.1	78.0	75.0	78.0	75.0	20.0
4	3.7	78.0	75.0	78.0	75.0	23.0
8	5.2	78.0	75.0	77.2	74.2	24.5
10	5.8	78.0	75.0	75.3	72.3	25.0
16	7.3	78.0	75.0	71.2	68.2	25.0
20	8.2	78.0	75.0	69.3	66.3	25.0
25	9.2	78.0	75.0	67.3	64.3	24.3
31.25	10.3	78.0	75.0	65.4	62.4	23.6
62.5	14.6	78.0	75.0	59.4	56.4	21.5
100	18.5	75.4	72.4	55.3	52.3	20.1
155	23.2	72.5	69.5	51.5	48.5	18.8
200	26.5	70.9	67.9	49.3	46.3	18.0
250	29.7	69.4	66.4	47.3	44.3	17.3
300	32.7	68.2	65.2	45.8	42.8	17.3
350	35.4	67.2	64.2	44.4	41.4	17.3
400	38.0	66.4	63.4	43.3	40.3	17.3
500	42.8	64.9	61.9	41.3	38.3	17.3
550	45.0	64.3	61.3	40.5	37.5	17.3
600	47.1	63.7	60.7	39.7	36.7	17.3
650	49.2	63.2	60.2	39.0	36.0	17.0
700	51.1	62.7	59.7	38.4	35.4	16.6
750	53.1	62.3	59.3	37.8	34.8	16.3
800	54.9	61.9	58.9	37.2	34.2	16.1
850	56.7	61.5	58.5	36.7	33.7	15.8
900	58.5	61.1	58.1	36.2	33.2	15.5
950	60.2	60.7	57.7	35.7	32.7	15.3
1000	61.9	60.4	57.4	35.3	32.3	15.1
1100	65.2	59.8	56.8	34.5	31.5	14.7
1200	68.4	59.2	56.2	33.7	30.7	14.3

*Values above 1000 MHz are for engineering purposes only.

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	Polyester/Aluminum shield

Mechanical Specifications

Pulling Tension, maximum	25 lb 11.34 kg
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Environmental Specifications

Installation temperature	0 °C to +50 °C (+32 °F to +122 °F)
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7A20004

Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Acid Gas Test Method	EN 50267-2-3
EN50575 CPR Cable EuroClass	B2ca a1 d1 s1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Smoke Test Method	IEC 61034-2

Packaging and Weights

Cable weight	43.09 lb/kft 5.957 kg/km
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

