Product Specifications

COMMSCOPE®

760131268 | 3298A WH 4/23 R1640

3298A Category 7A S/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel
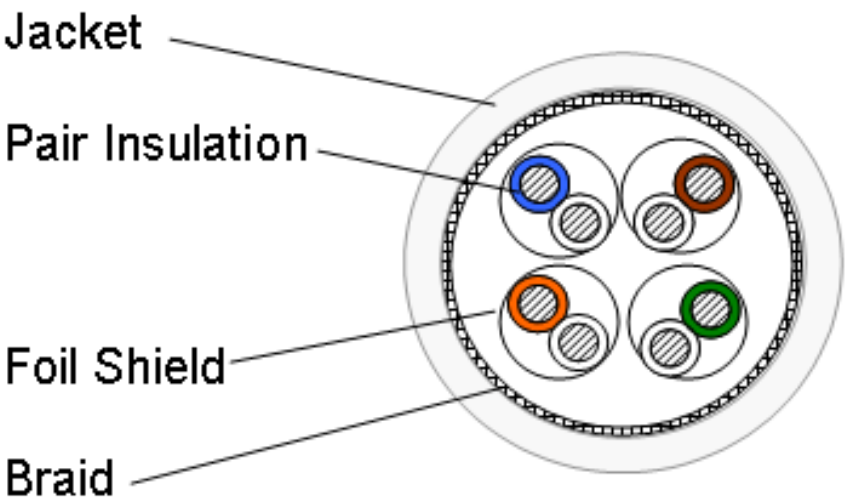
Product Classification

Portfolio	CommScope®
Product Type	Twisted pair cable
Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America

Standards And Qualifications

EN50575 CPR Cable EuroClass	Dca	s2	d1	a1

Cross Section Drawing

Construction Materials

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

Dimensions

Cable Length	500 m	1640 ft
Cable Length Tolerance	±5%
Cable Weight	43.14 lb/kft
Diameter Over Jacket	7.493 mm	0.295 in
Jacket Thickness	0.635 mm	0.025 in

Electrical Performance

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.

Electrical Specifications

ANSI/TIA Category	7A
dc Resistance Unbalance, maximum	2 %
dc Resistance, maximum	7.61 ohms/100 m
Mutual Capacitance	4.3 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	76 %
Operating Frequency, maximum	1000 MHz
Transmission Standards	ISO/IEC 11801 Class FA

Environmental Specifications

Environmental Space	Low Smoke Zero Halogen (LSZH)
Smoke Test Method	IEC 61034-2
Acid Gas Test Method	IEC 60754-2
Flame Test Method	IEC 60332-3-24
Installation Temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)

General Specifications

Cable Type	S/FTP (shielded)
Packaging Type	Reel

Product Specifications

COMMSCOPE®

Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	White
Product Number	3298A
Brand	CommScope®
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Ordering Note	Available in Europe, Middle East, and Africa

Mechanical Specifications

Pulling Tension, maximum	11 kg	25 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available

RoHS COMPLIANT