

# Everon® Copper Datacom Class E Patch Cord, 2xRJ45, Cat.6, S/FTP LSZH AWG 27 red, 1 m

CORNING

**Part Number:**  
**CCAEGB-D5002-A010-C0**

The application-neutral Everon® Copper Datacom category 6 patch cords have four individual foil-shielded pairs (PiMF) and an additional braid shield (S/FTP). They are assembled with a shielded RJ45 connectors on each end. The zero halogen patch cords (LSZH) are non-corrosive according to IEC 60754-2 (FRNC), low smoke according to IEC 61034 and flame retardant according to IEC 60332-1. Everon® Copper Datacom CCAEGB patch cords provide additional latch protection. They are available in various lengths and colours.

## Features and Benefits

Application-neutral due to using all four pairs of RJ45 connectors

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IP68 rated ruggedized design

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Additional latch protection

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Category 6

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Certified by a vendor-independent and impartial test lab (GHMT AG)

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Supports Power over Ethernet (PoE / PoE+ / PoE++).  
IEEE 802.3bt-2018 performance (4PPoE)  
Ready for new applications powered on 4 pairs up to 90W



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## Specifications

### General Specifications

Area/range of application	10Base-T; 100Base-TX; 1000Base-T/ATMLAN1.2Gbit/s
Cable assembly type	Patch cords
Environment	Indoor
Category	6
Cable type	S/FTP
Halogen-free	Yes
Legacy Part Number	VOL-6SSL
Brand	Everon®
Third Party Certificate	Yes ( <a href="http://www.corning.com/emea/en/certificates">www.corning.com/emea/en/certificates</a> )

### Standards

Flame retardance	Flame retardant according to IEC 60332-1-2 (single cable)
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Design And Test Criteria	Compliant with PoE / PoE++ IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt

### Environmental Conditions

Temperature range, installation	0 °C to 50 °C
Temperature range, operation	-20 °C to 60 °C
Transport and indoor storage	Dry environment, no direct sunlight, room temperature ≤ 40 °C

### Cable Design

Twisting	2 cores to a pair
Pair screen	Al-laminated foil around each pair
Overall screen	Copper braid, tinned
Outer jacket material	LSZH/FRNC

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## Cable Design

Outer jacket colour	Red
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## Mechanical Specifications

Fire load	0.45 MJ/m
Min. bend radius installation	46 mm

## Specifications - Connector A

Connector type	RJ45 - 8/8
Durability Cycles	750 N/A
Connector Material	Pin gold plated 50µ inch

## Specifications - Connector B

Connector type	RJ45 - 8/8
Durability Cycles	750 N/A
Connector Material	Pin gold plated 50µ inch

## Electrical Specifications

Mutual capacity	1600 pF/km
Max. loop resistance	188 Ω/km
Propagation delay	5.38 ns/m at 100 MHz
DC resistance unbalance	5 %
Insulation resistance	500 MΩ*km
Impedance Zo at 1-100 MHz	100 Ω ± 5% at 100 MHz
Surface transfer impedance	100 N/A

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## Dimensions

Length	1 m
Weight	4 kg

## Ordering Information

Product Number	CCAEGB-D5002-A010-C0
EAN Code	4064394149116
Packaging method	Corn Starch Bag
Shipping weight	0.05 kg
Units per delivery	1/1



Corning Optical Communications GmbH & Co. KG • Leipziger Strasse 121 • 10117 Berlin, Germany  
+00 800 2675 4641 • FAX: • [www.corning.com/opcomm/emea](http://www.corning.com/opcomm/emea)