



Product: [XCGB4](#)

Category 6 Cross Connect Cable, 4 Pair, U/UTP, CMR

Product Description
Category 6 Premise Cross Connect Cable (250MHz), 4 Pair, 23 AWG Solid Bare Copper Conductors, U/UTP, Riser-CMR

Technical Specifications

Product Overview

Suitable Applications:	Cross-Connect, Interconnect
------------------------	-----------------------------

Construction Details

Conductor

Size	Stranding	Material	No. of Pairs
23 AWG	Solid	BC - Bare Copper	4

Insulation

Material	Color Code
PO+FEP - Polyolefin + Fluorinated Ethylene Propylene	White/Blue Stripe & Blue, White/Orange Stripe & Orange, White/Green Stripe & Green, White/Brown Stripe & Brown
Table Notes:	Overall Nominal Diameter: 0.185 in

Electrical Characteristics

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. SRL (Structural Return Loss) [dB]	Max./Min. Fitted Impedance [Ohm]
0.772	1.8 dB/100m		102 ± 15
1	2.0 dB/100m	20	100 ± 15
4	3.7 dB/100m	23	100 ± 15
8	5.2 dB/100m	24.5	100 ± 15
10	5.8 dB/100m	25	100 ± 15
16	7.4 dB/100m	25	100 ± 15
20	8.3 dB/100m	25	100 ± 15
25	9.3 dB/100m	24.3	100 ± 15
31.25	10.4 dB/100m	23.6	100 ± 15
62.5	15.0 dB/100m	21.5	100 ± 15
100	19.3 dB/100m	20.8	100 ± 15
155	24.5 dB/100m	19.5	100 ± 15
200	28.3 dB/100m	18.7	100 ± 15
250	32.1 dB/100m	18	100 ± 15
300	35.6 dB/100m	17.5	100 ± 15

Mechanical Characteristics

Temperature

UL Temperature
60°C

Bend Radius

Stationary Min.	Installation Min.
1 in (25 mm)	1 in (25 mm)

Max. Pull Tension:	40 lbs (18 kg)
Bulk Cable Weight:	18 lbs/1000ft

Standards and Compliance

Flammability / Reaction to Fire:	UL 1685 (UL Loading)
CPR Compliance:	CPR UKCA Class: Eca
NEC / UL Compliance:	Cross-Connect
Data Category:	Category 6
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	Third party verified to ANSI/TIA-568-C.2, Category 6

History

Update and Revision:	Revision Number: 0.382 Revision Date: 04-29-2024
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
XCGB4 000A1000		Reel-in-Box	1,000 ft	612825300472
XCGB4 000A1000		Reel-in-Box	1,000 ft	612825300472
XCGB4 0001000	Black	Reel	1,000 ft	612825354956
XCGB4 0001000	Black	Reel	1,000 ft	612825354956

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.