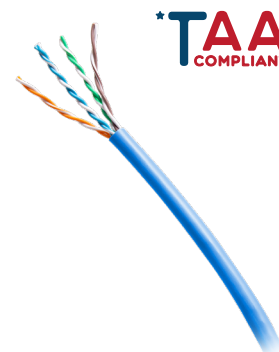# TAA-COMPLIANT
CAT6A BULK CABLE

1000 ft (304.8m) TAA-Compliant Cat6a Bulk Shielded (STP) Ethernet Network Cable with Solid Conductors – Plenum CMP-Rated – Blue

C2G's TAA-Compliant Cat6a Bulk Cable safeguards high-speed networks from noise and electromagnetic interference, handling bandwidth-intensive applications while reducing impedance and structural return loss (SRL). It meets Cat6a component requirements and is suitable for voice/data/video distribution. This cable provides structured cabling for horizontal and building backbone applications. It features overall metal shielding to protect against EMI noise. C2G's TAA-Compliant Cat6a Bulk Cable enables long, custom length runs that meet fire code requirements while providing a cost-effective networking solution. The new sustainable slim packaging reduces plastic and cardboard waste by 40%. While occupying less space, it also provides a smooth cable pulling experience.

FEATURES

- Enhanced frequency of up to 660 MHz, surpassing the CAT6A standard of 500 MHz for data transfer
- Plenum, CMP-Rated jacket that strict fire safety standards
- Constructed with shielded twisted pair (STP) wires, designed to protect a high-speed network from noise and electromagnetic interference
- Solid bare copper construction for high-quality signal transmission
- Innovative, sustainable packaging with space-saving design and seamless cable pull-out experience

ITEM   DESCRIPTION

C2G56053   1000ft (304.8m) TAA-Compliant Cat6a Bulk Shielded (STP) Ethernet Network Cable with Solid Conductors - Plenum CMP-Rated - Blue

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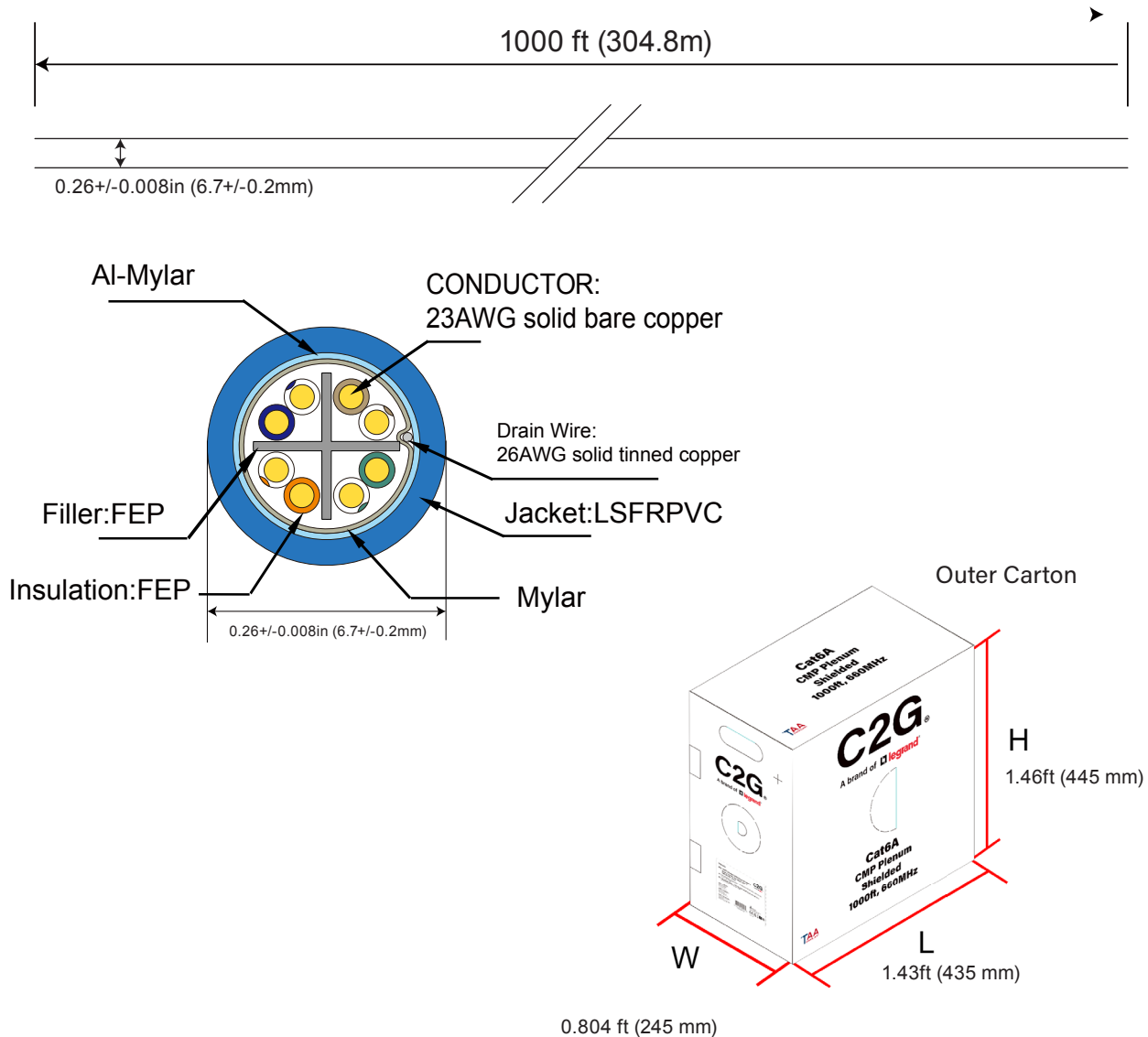
SPECIFICATIONS

			C2G56053
PHYSICAL SPECIFICATIONS	Conductor	Material	23AWG solid bare copper Fluorinated Ethylene Propylene (FEP)
	Insulation	Color code and diameter	Blue & white/blue stripe: 1.09 ± 0.02 mm Orange & white/orange stripe:1.02 ± 0.02 mm Green & white/green stripe: 1.08 ± 0.02 mm Brown & white/brown stripe:1.02 ± 0.02 mm
	Jacket	Material Diameter Thickness Color	Low smoke flame retardant polyvinyl chloride (LSFRPVC) 6.9 ± 0.2 mm 0.40 ± 0.05 mm Blue
	Filler	Material	Fluorinated Ethylene Propylene (FEP)
	Shield	Material	Al Mylar tape - F/UTP shielding 100 % coverage and mylar side facing out
	Drain wire	Material	26AWG solid tinned copper
	Overall cable	Outer Box Dimension	L1.42 x W0.80 x H1.5 ft L435 x W245 x H445 mm
		Weight	37.3lb (16.9 kg)
	Storage Temperature		-4°F to 167°F (-20°C to 75°C)
	Operation Temperature		-4°F to 140°F (-20°C to 60°C)
	Minimum bending radius		≥ 8 times of overall diameter
	Maximum pulling tension		≤ 110 N
ELECTRICAL SPECIFICATIONS	Voltage		300V
	Spark test		2.5 KV DC
	AC leakage current through overall jacket		≤ 10mA (1.5KV AC)
	Cable cold bend test		-20°C for 4 hr
	Conductor DC resistance		≤ 9.38 Ω/100m
	Resistance unbalance		≤ 4%
	Dielectric strength		1.5 KV ac for 2 s
	Insulation resistance		≥ 5000 MΩ•km
	Mutual capacitance		≤ 5.6 nF/100m
	Capacitance unbalance pair-to-ground		≤ 330 pF/100m
	Nominal Velocity of Propagation		70%
	Propagation Delay		570ns/100m (maximum)
	Delay Skew		45ns/100m (maximum)
APPLICABLE STANDARD	Electrical Transmission		ANSI/TIA-568.2-D (2018); ISO/IEC 11801-1; IEC 61156-5 (Edition 2.1)
	Flame Test		NFPA 262 (CMP)
	Material and Construction		UL 444; LP-Rating 0.5A; CSA 22.2 NO.214
	EU Directive		2011/65/EU & 2015/863/EU; 2006/95/EC (LVD)

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TECHNICAL DRAWING

1000 ft (304.8m)

0.26+/-0.008in (6.7+/-0.2mm)

Al-Mylar

CONDUCTOR:
23AWG solid bare copper

Drain Wire:
26AWG solid tinned copper

Filler:FEP

Jacket:LSFRPVC

Insulation:FEP

Mylar

0.26+/-0.008in (6.7+/-0.2mm)

Outer Carton

H
1.46ft (445 mm)

W

L
1.43ft (435 mm)

0.804 ft (245 mm)

LEGRAND | AV COMMERCIAL BRANDS

C2G │ Chief │ Da-Lite │ Luxul │ Middle Atlantic │ Vaddio │ Wiremold