

NP 301

**Belden® New Generation®
IP Category Cables**

Our new line of value-priced Category 5e and Category 6 UTP cables offers integrated Power over Ethernet and provides a reliable digital solution for video, sound and security system integrators and installers.



**Belden New Generation, CMR
and CMP Rated Cables are
Ideal for Use with Security
Cameras, CCTV, Keypads,
Intercoms, and More**

Over the past few years, a majority of commercial security system integrators have transitioned to digital IP technology for their low-voltage security cameras, CCTV systems, keypad controls, speakers and other electronic devices.

Their challenge is to source a robust and reliable cabling infrastructure that fully meets the ANSI/TIA/EIA-568-B.2-2001 Standard, while allowing them to provide customers with high quality sound and security systems that deliver dependable performance at a competitive price point.

To meet these requirements, Belden has expanded its New Generation line with four new value-priced Category 5e and Category 6 cables in both riser- and plenum-rated versions. The new cables — designed and manufactured exclusively for video, sound and security system integrators — offer a cost-effective digital solution for a digital world.

Cable Construction Attributes

The 4-pair unshielded twisted pair (UTP) cables provide both signal transmission and Power over Ethernet (PoE) capabilities in a single cable, eliminating the need for an external power source. The new products include:

- Part No. 5663U5 – Cat 5e, NEC CMR (CEC: CMG FT4)
- Part No. 6663U5 – Cat 5e NEC CMP (CEC: CMP FT6)
- Part No. 5663U6 – Cat 6 NEC CMR (CEC: CMG FT4)
- Part No. 6663U6 – Cat 6 NEC CMP (CEC: CMP FT6)

The Category 5e cables feature 24 AWG solid bare copper conductors. The riser version has polyolefin insulation and PVC jacket with rip cord. The plenum version has FEP Teflon insulation and Flamarrest® jacket with rip cord. Both cables are sweep tested to 100 MHz.

The Category 6 cables feature solid bare copper conductors. The riser version (24 AWG) has polyolefin insulation and PVC jacket with rip cord. The plenum version (23 AWG) has FEP Teflon insulation and Flamarrest jacket with rip cord. Both cables are sweep tested to 250 MHz.

All four products are now available with a Black jacket. Footage is sequentially marked every 2 feet, with countdown from 1,000 to eliminate guesswork and waste.

Quality You Can Depend On

For over a century, Belden has been committed to the development of high quality cabling solutions. Our New Generation sound, CCTV, security and alarm cables have long been a top choice of the industry's most prominent sound and security system designers and integrators. They know that Belden is the brand you can trust for products that perform reliably to industry standards, day in and day out.

With our new line of value-priced New Generation IP Category cables, Belden offers the security industry more choices than ever before. To learn more about Belden New Generation IP Category Cables, contact your Belden representative, call 1.800.BELDEN.1 or visit our Website at www.belden.com.

Ordering Information

Riser-rated

Product Description

Solid bare copper conductors, unshielded twisted pairs, polyolefin insulation, PVC jacket with rip cord. Sequential footage marking every two feet.

Specifications

Conductor	Solid Bare Copper
Shield	Unshielded
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
Nominal Impedance	100Ω
Temperature Rating	60°C
Sweep Test	
Category 5e	100 MHz
Category 6	250 MHz

Plenum-rated

Product Description

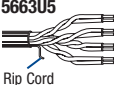
Solid bare copper conductors, unshielded twisted pairs, FEP Teflon® insulation, Flamarrest® jacket with rip cord. Sequential footage marking every two feet.

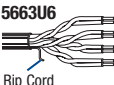
Specifications

Conductor	Solid Bare Copper
Shield	Unshielded
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
Nominal Impedance	100Ω
Temperature Rating	60°C
Sweep Test	
Category 5e	100 MHz
Category 6	250 MHz

Belden Part Number	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	inch	mm	Ft	m	Lbs.	kg

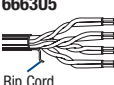
Riser-rated (NEC CMR and CEC CMR FT4)

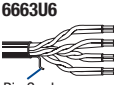
Category 5e										
5663U5 	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.007	0.18	.190	4.83	U-500	U-152.4	11	5.0
							U-1000	U-304.8	21	9.5

Category 6										
5663U6 	4-Pair UTP 24 AWG Solid Bare Copper Cond.	Polyolefin	.009	.229	.221	5.61	500	152.4	13	5.9
							1000	304.8	25	11.4

Belden Part Number	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	inch	mm	Ft	m	Lbs.	kg

Plenum-rated (NEC CMP and CEC CMP FT6)

Category 5e										
6663U5 	4-Pair UTP 24 AWG Solid Bare Copper Cond.	FEP Teflon	.007	0.18	.190	4.83	U-500	U-152.4	12	5.5
							U-1000	U-304.8	23	10.5

Category 6										
6663U6 	4-Pair UTP 23 AWG Solid Bare Copper Cond.	FEP Teflon	.009	0.23	.224	5.69	500	152.4	16	7.3
							1000	304.8	31	14.1