



# Networking Solution

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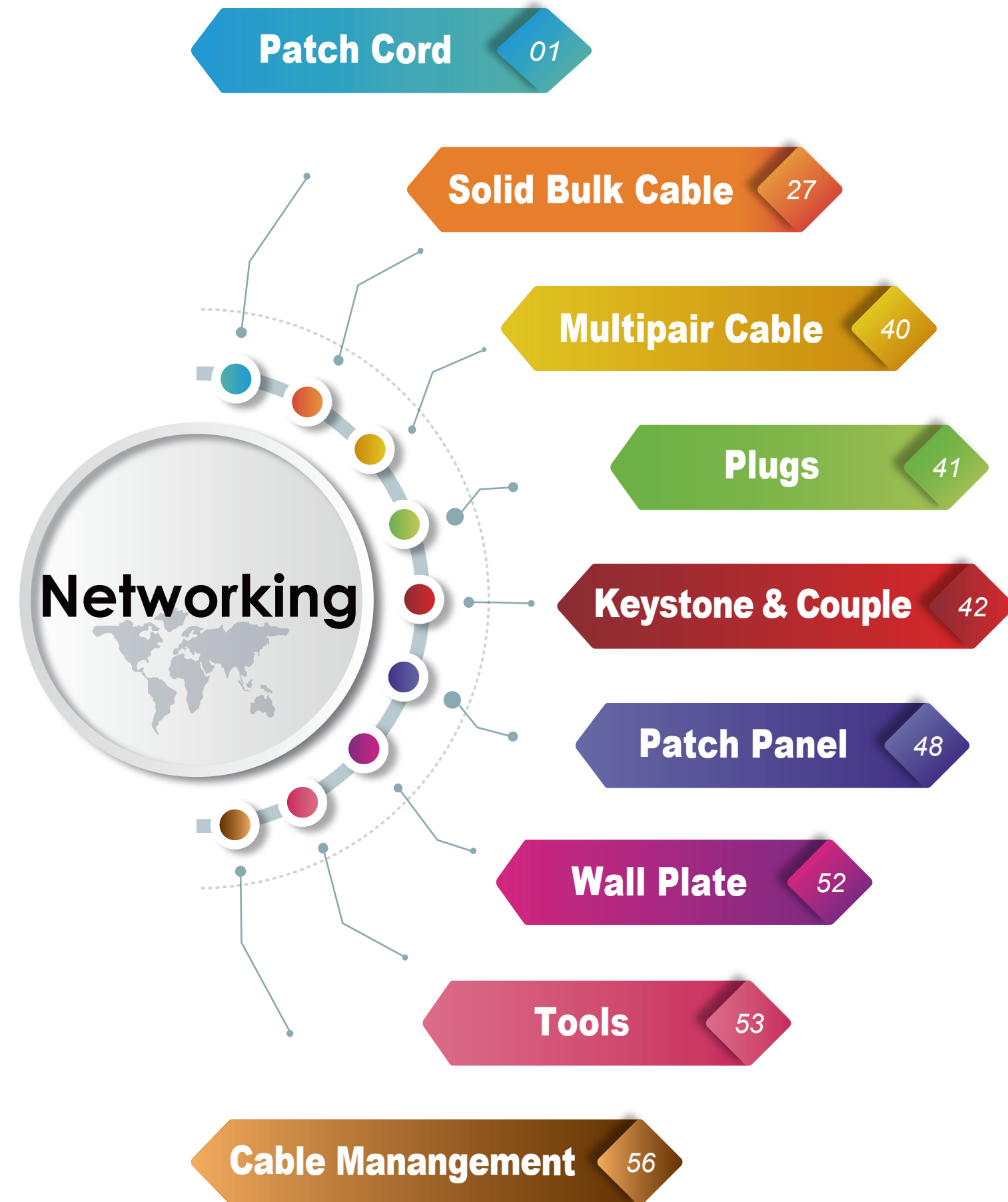




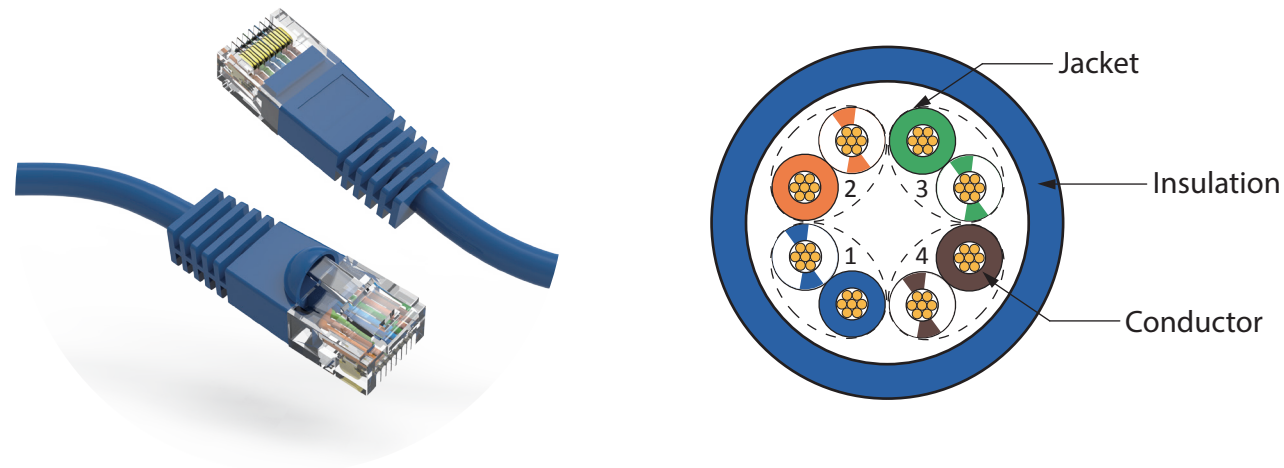
Since 1983, our manufacturers have been providing quality networking connectivity and power cord solutions to leading distributors and manufacturers. We can meet your design needs with competitive price. Our manufacturers strictly comply with product standards and regulations, such as 3P, UL, or RoHS. Not only just product quality assurance, all our factories are operated under compliance of ethical standards and labor/health laws required by many US major companies. Contact us to see how we can serve you.

Many first time customers ask us "How come your prices are so low? Are your products the same as the ones I buy at retail stores paying double, triple or even more?" Yes, our products are coming from high-quality standard manufactures complying with industry and environment standards such as ISO9001, ISO14001 or RoHS. This low price is possible because we concentrate our resources on the product itself and make every effort to eliminate unnecessary costs. We'll give you some of the secrets. Let's take our patch cables for an example.

You will receive our patch cable in a plain sealed polly bag with a simple label. We do not use fancy looking clamshell packaging that goes to trash can as soon as opened. Here's an elimination of packaging cost (design, material and manufacturing cost of clamshell). We have many professional networking installers among our customers. They support our simple packaging method.



## Category 5E UTP Booted Cables



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/24AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.5mm
<b>Insulation</b>	Thickness	Nominal:0.186mm		Diameter	Nominal:75.4mm
	Diameter	Nominal:0.96mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.300%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%

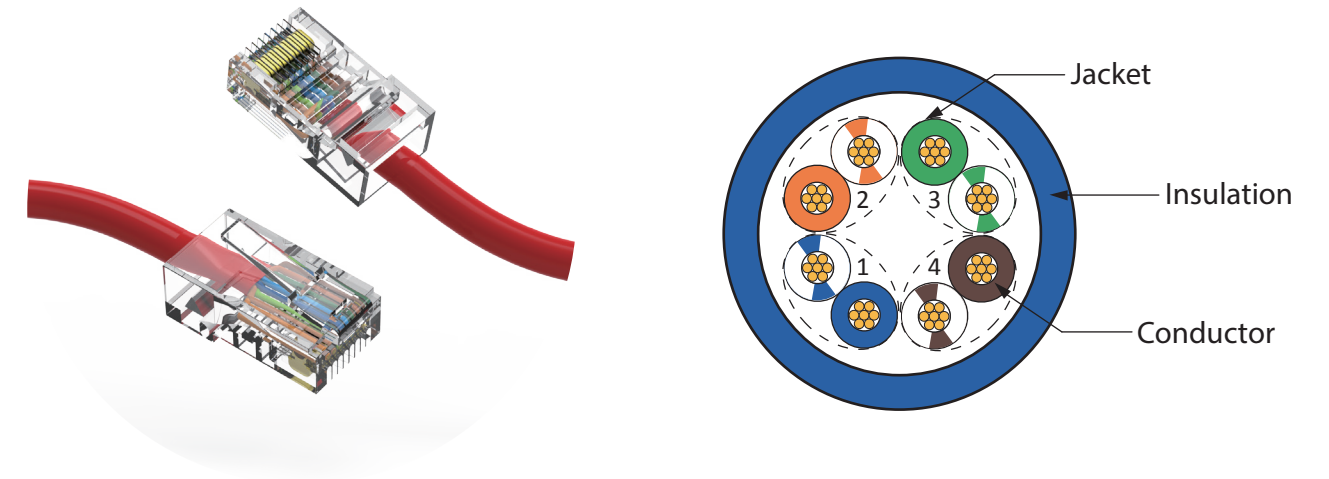
### Ordering Information

- 24AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated RJ45 plug
- Injection mold snagless boots



Length	0.5Ft	1Ft	1.5Ft	2Ft	3Ft	4Ft	5Ft	6Ft	7Ft	8Ft	9Ft	10Ft	12Ft
Item	100516	100501	100517	100502	100503	100500	100504	100513	100505	100541	100542	100506	100540
Length	15Ft	20Ft	25Ft	30Ft	35Ft	40Ft	50Ft	75Ft	100Ft	125Ft	150Ft	175Ft	200Ft
Item	100507	100514	100508	100519	100518	100520	100509	100510	100511	100543	100512	100544	100515

## Category 5E UTP Non-booted Cables



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/24AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.5mm
<b>Insulation</b>	Thickness	Nominal:0.186mm		Diameter	Nominal:75.4mm
	Diameter	Nominal:0.96mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.300%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%

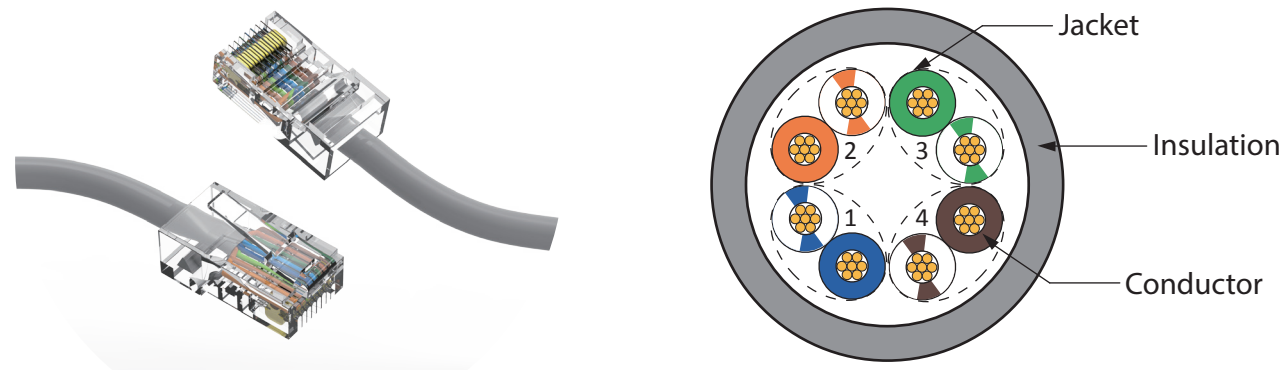
### Ordering Information

- 24AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated RJ45 plug
- Injection mold snagless boots



Length	0.5Ft	1Ft	2Ft	3Ft	4Ft	5Ft	6Ft	7Ft	10Ft
Item	100416	100401	100413	100402	100400	100403	100414	100404	100405
Length	15Ft	20Ft	25Ft	40Ft	50Ft	75Ft	100Ft	150Ft	200Ft
Item	100406	100415	100407	100418	100408	100409	100410	100411	100412

## Category 5E UTP CMR No-Booted Cables



### Applications

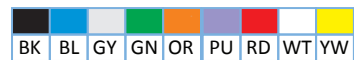
- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN (IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

Conductor	Material/Size	Bare Copper/24AWG	Jacket	Material	Flame Retardant PVC
Insulation	Material	HDPE	Jacket	Thickness	Nominal:0.5mm
	Thickness	Nominal:0.186mm		Diameter	Nominal:75.4mm
	Diameter	Nominal:0.96mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Elongation	Min.300%		Aging at 100 °C for 168Hrs	Min.elongation retention:50%
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>			Min.tensile strength retention:75%

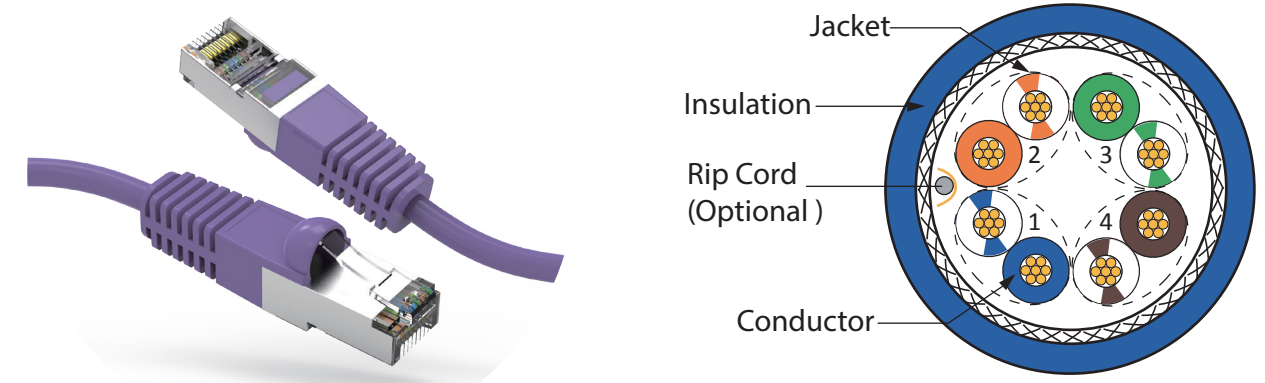
### Ordering Information

- 24AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated RJ45 plug
- Injection mold snagless boots



Length	0.5Ft	1Ft	1.5Ft	2Ft	3Ft	4Ft	5Ft	6Ft
Item	100450	100451	100452	100453	100454	100455	100456	100457
Length	7Ft	8Ft	9Ft	12Ft	20Ft	25Ft	100Ft	
Item	100458	100459	100460	100462	100464	100465	100471	

## Category 5E Shielded (FTP) Booted Cables



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 550MHz Broadband Video
- 100 VG – AnyLAN (IEEE802.12), 155/622 Mbps ATM
- Voice, T1, ISDN

### Construction

Conductor	Material/Size	Bare Copper/26AWG	Screen	Material	Aluminum-Mylar Tape
Insulation	Material	HDPE	Jacket	Material	Flame Retardant PVC
	Thickness	Nominal:0.21mm		Thickness	Nominal:0.52mm
	Diameter	Nominal:0.91mm		Diameter	Nominal:5.6mm
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Colors	Assorted upon request
	Unaged Elongation	Min.300%		Unaged Elongation	Min.100%
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50%
					Min.tensile strength retention:75%
Drain Wire	Material	Tinned copper			

### Ordering Information

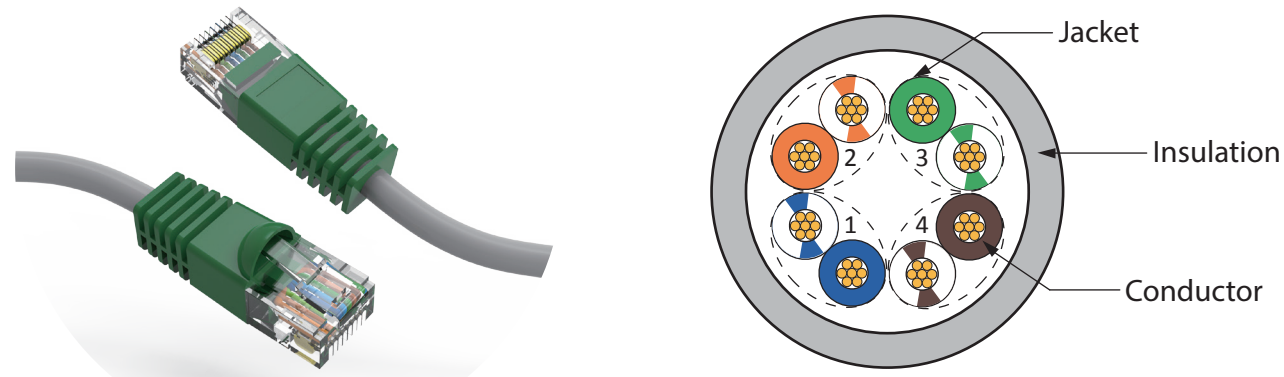
- 26AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair
- Foil shield with drain wire
- 50 micron gold plated shielded RJ45 plug
- Injection mold snagless boots



Length	0.5Ft	1Ft	2Ft	3Ft	4Ft	5Ft	6Ft	7Ft	10Ft
Item	100416	100401	100413	100402	100400	100403	100414	100404	100405
Length	15Ft	20Ft	25Ft	40Ft	50Ft	75Ft	100Ft	150Ft	200Ft
Item	100406	100415	100407	100418	100408	100409	100410	100411	100412



## Category 5E UTP Cross Booted Cables



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

Conductor	Material/Size	Bare Copper/24AWG	Jacket	Material	Flame Retardant PVC
Insulation	Material	HDPE	Jacket	Thickness	Nominal:0.5mm
	Thickness	Nominal:0.186mm		Diameter	Nominal:75.4mm
	Diameter	Nominal:0.96mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.300%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%

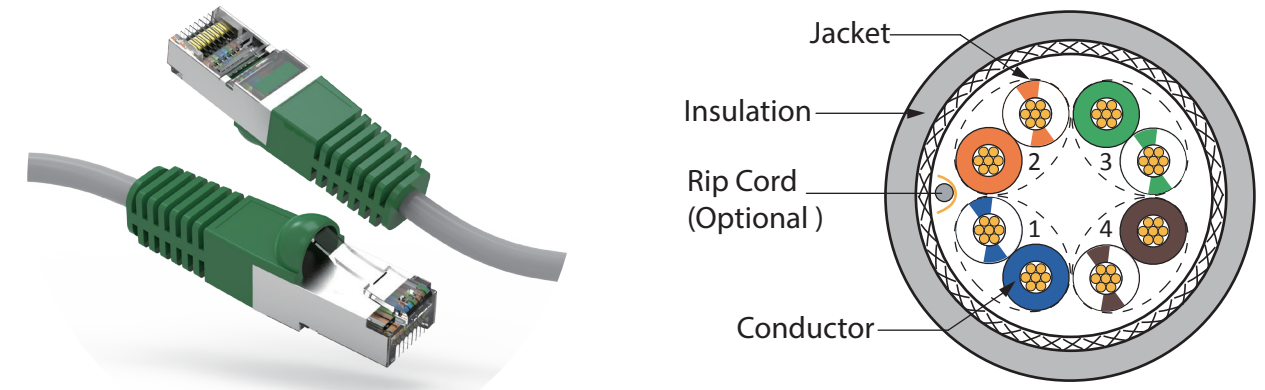
### Ordering Information

- 24AWG bare copper wire
- Cross-Over twisted 4 Pair
- Gray cable with green boots



Length	1Ft	3Ft	5Ft	7Ft	10Ft	15Ft	25Ft
Item	100416	100401	100413	100402	100400	100403	100414

## Category 5E Shielded (FTP) Cross Booted Cables



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 550MHz Broadband Video
- 100 VG – AnyLAN (IEEE802.12), 155/622 Mbps ATM
- Voice, T1, ISDN

### Construction

Conductor	Material/Size	Bare Copper/26AWG	Screen	Material	Aluminum-Mylar Tape
Insulation	Material	HDPE	Jacket	Material	Flame Retardant PVC
	Thickness	Nominal:0.21mm		Thickness	Nominal:0.52mm
	Diameter	Nominal:0.91mm		Diameter	Nominal:5.6mm
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Colors	Assorted upon request
	Unaged Elongation	Min.300%		Unaged Elongation	Min.100%
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
Drain Wire	Material	Tinned copper	Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%	

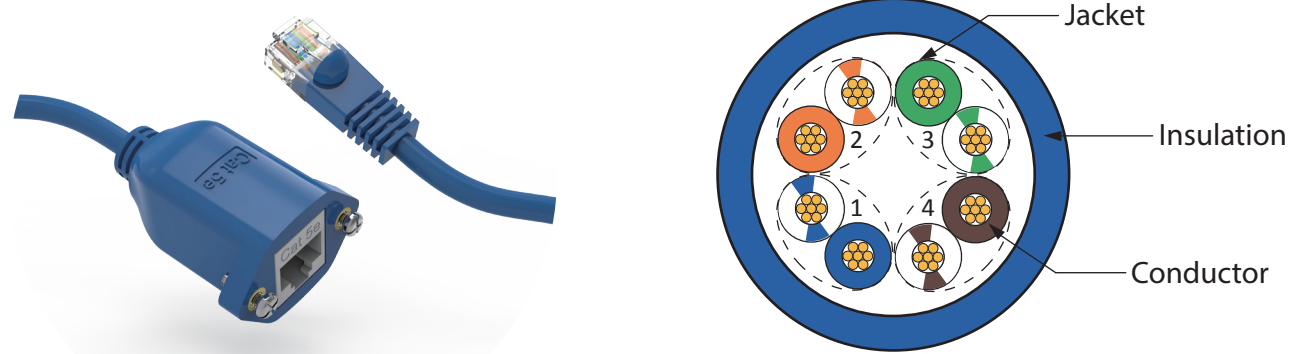
### Ordering Information

- 26AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair
- Foil shield with drain wire
- 50 micron gold plated shielded RJ45 plug
- Injection mold snagless boots



Length	1Ft	3Ft	5Ft	7Ft	10Ft	15Ft	25Ft	50Ft
Item	100621	100623	100624	100625	100626	100627	100628	100629

## Category 5E Panel-Mount



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

Panel-mount Cat.5E patch cable is designed to mount in various face plates/surfaces. These cables offer a clean and convenient connection to your RJ45 Ethernet network, and the best thing about it is that there is no need to punch down or terminate anything, just simply plug your existing patch cable.

The Cat.5E Panel-Mount type is a standard Cat.5E cable that terminates on a bulkhead mountable female RJ45 connector, the housing/hood comes with embedded nuts and two screws for easy mounting on most wall plates and surfaces.

- Jacket: CM type PVC
- Wiring: T568B standard wiring
- Conductor: 4-pair UTP (Unshielded Twisted Pair) 24 AWG stranded pure copper
- Connectors: RJ45 male to RJ45 female with 50 micron gold plating contacts
- Certification: Compliant with TIA/EIA standard by UL and ETL; RoHS Compliant

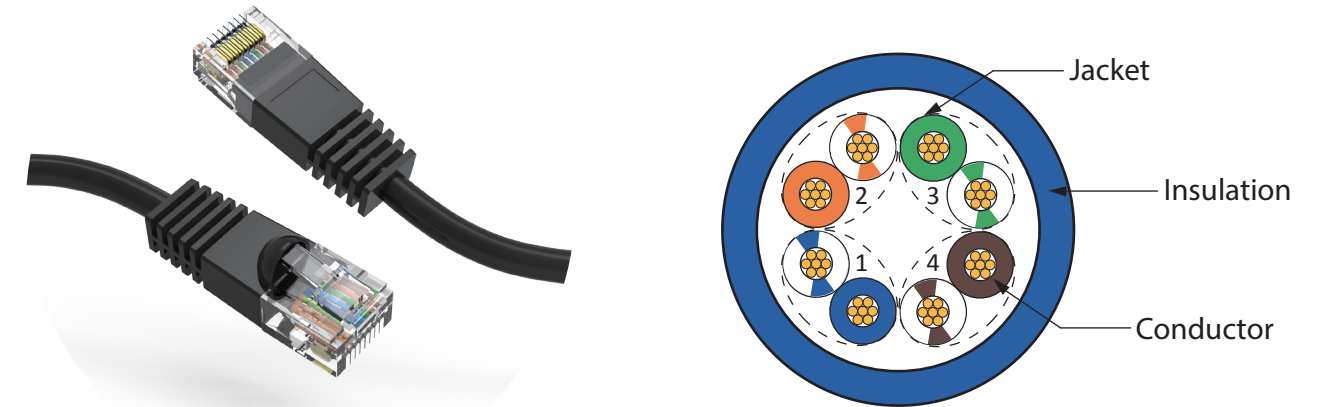
### Ordering Information

- 24AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated RJ45 plug
- Injection mold snagless boots



Length	3Ft	6Ft	15Ft	25Ft
Item	100572	100574	100576	100577

## Category 6 UTP Booted Cables



### Applications

- 1000BASE-TX Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG – AnyLAN (IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

Conductor	Material/Size	Bare Copper/24AWG	Jacket	Material	Flame Retardant PVC
Insulation	Material	HDPE	Jacket	Thickness	Nominal:0.5mm
	Thickness	Nominal:0.232mm		Diameter	Nominal:5.8mm
	Diameter	Nominal:1.05mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.300%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%	

### Ordering Information

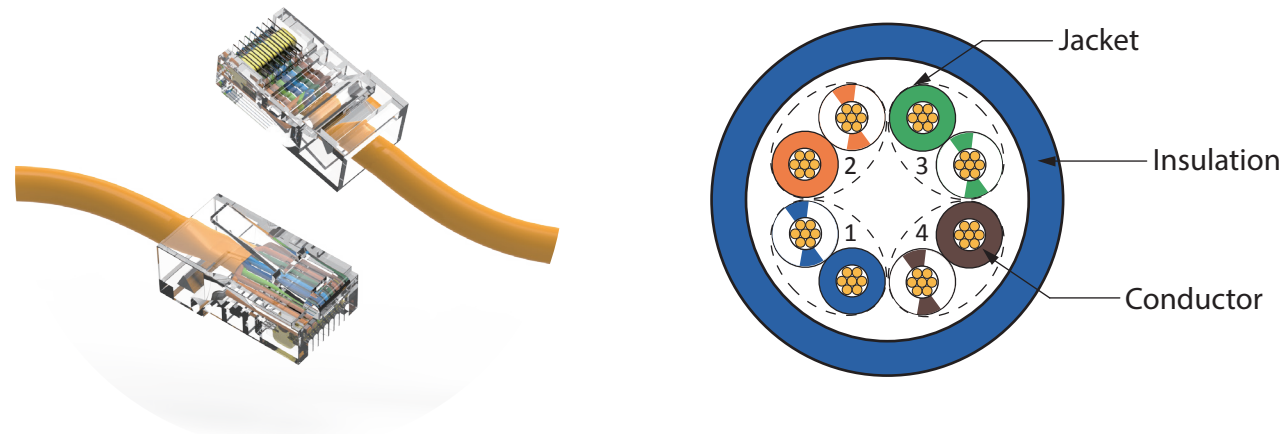
- 24AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated RJ45 plug
- Injection mold snagless boots



Length	0.5Ft	1Ft	1.5Ft	2Ft	3Ft	4Ft	5Ft	6Ft	7Ft	8Ft	9Ft	10Ft	12Ft
Item	100716	100701	100717	100702	100703	100700	100704	100713	100705	100748	100749	100706	100747
Length	15Ft	20Ft	25Ft	30Ft	35Ft	40Ft	50Ft	75Ft	100Ft	125Ft	150Ft	175Ft	200Ft
Item	100707	100714	100708	100719	100718	100720	100709	100710	100711	100790	1005712	100791	100715



## Category 6 UTP Non-booted Cables



### Applications

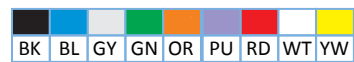
- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/24AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.5mm
<b>Insulation</b>	Thickness	Nominal:0.186mm	<b>Jacket</b>	Diameter	Nominal:75.4mm
	Diameter	Nominal:0.96mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.300%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%

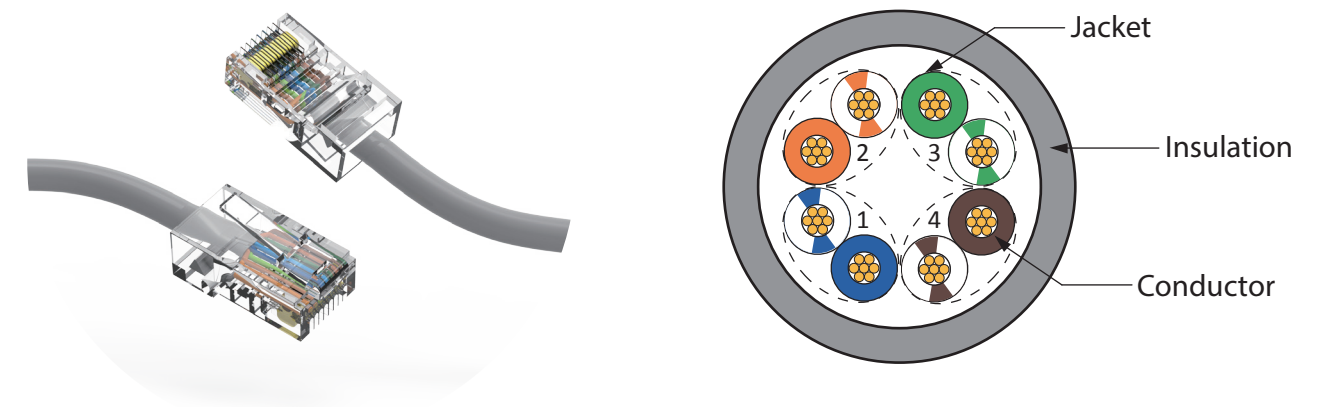
### Ordering Information

- 24AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated RJ45 plug



Length	0.5Ft	1Ft	1.5Ft	2Ft	3Ft	4Ft	5Ft	6Ft	7Ft	10Ft
Item	100100	100101	100117	100102	100103	100104	100105	100106	100107	100108
Length	12Ft	15Ft	20Ft	25Ft	50Ft	75Ft	100Ft	150Ft	200Ft	
Item	100109	100109	100110	100111	100112	100113	100114	100115	100116	

## Category 6 UTP CMR Npn-Booted Cables



### Applications

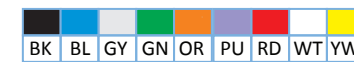
- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/24AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.5mm
<b>Insulation</b>	Thickness	Nominal:0.186mm	<b>Jacket</b>	Diameter	Nominal:75.4mm
	Diameter	Nominal:0.96mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.300%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%

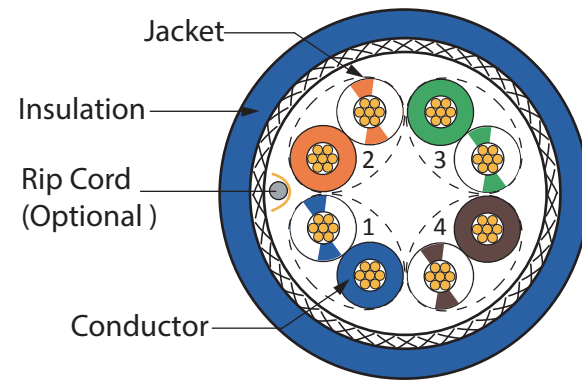
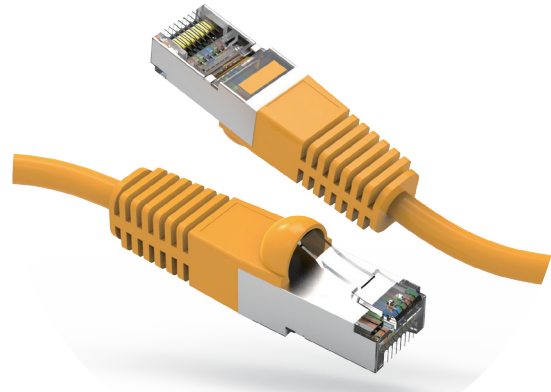
### Ordering Information

- 24AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated RJ45 plug



Length	1Ft	1.5Ft	3Ft	4Ft	5Ft	6Ft	7Ft	12Ft	15Ft	20Ft	25Ft	35Ft	40Ft
Item	100151	100152	100154	100155	100156	100157	100158	100162	100163	100164	100165	100167	100168

## Category 6 Shielded (SSTP) Cross Booted Cables



### Applications

- 1000BASE-TX Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG – AnyLAN (IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

Conductor	Material/Size	Bare Copper/26AWG	Jacket	Material	Flame Retardant PVC
Insulation	Material	HDPE	Jacket	Thickness	Nominal:0.5mm
	Thickness	Nominal:0.27mm		Diameter	Nominal:5.7mm
	Diameter	Nominal:1.08mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.100%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
Screen	Unaged Tensile Strength	Min.1.816Kgf/mm <sup>2</sup>	Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%	
	Material	Aluminum-Mylar Tape			

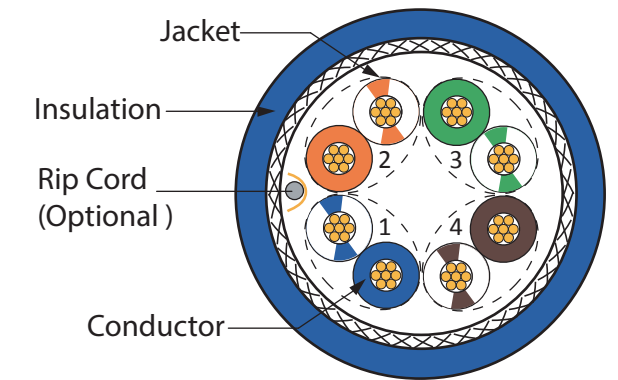
### Ordering Information

- 26AWG bare copper wire
- Stranded 568B twisted 4 Pair
- Double shield protection (Each pair foiled, 4 pair braided)
- 50 micron gold plated shielded RJ45 Plug
- Injection mold snagless boots



Length	0.5Ft	1Ft	2Ft	3Ft	4Ft	5Ft	6Ft	7Ft	10Ft	15Ft
Item	100816	100801	100802	100803	100800	100804	100814	100805	100806	100807
Length	20Ft	25Ft	50Ft	75Ft	100Ft	125Ft	150Ft	175Ft	200Ft	
Item	100815	100808	100809	100810	100811	100890	100812	100891	100813	

## Industrial Outdoor Cat.6 SFTP Cable



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

1. The material of cords is a kind of multicore cords and they meet the requirements stipulated in TIA/EIA-568-B about sixth category of patch cords.
2. Support 250 MHz broadband
3. Dielectric withstanding voltsge: 1000V
4. Contact resistance: 2.5mΩ Max
5. Insulation resistance: 1000MΩ Min
6. Insertion life: 750 cycles Min
7. Waterproof cable, Oil free
8. Operating Temperature Range: -30°C to 75°C

### Ordering Information

- 26AWG bare copper wire
- Stranded 568B twisted 4 Pair
- Double shield protection (Each pair foiled, 4 pair braided)
- 50 micron gold plated shielded RJ45 Plug
- Injection mold snagless boots



Length	3Ft	6Ft	10Ft	15Ft	25Ft	50Ft	75Ft	100Ft	125Ft	150Ft	175Ft	200Ft
Item	100223	100226	100227	100228	100230	100233	100236	100237	100238	100239	100240	100241



## Category 6 UTP Cross Booted Cables



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

Conductor	Material/Size	Bare Copper/24AWG	Jacket	Material	Flame Retardant PVC
Insulation	Material	HDPE	Jacket	Thickness	Nominal:0.5mm
	Thickness	Nominal:0.186mm		Diameter	Nominal:75.4mm
	Diameter	Nominal:0.96mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.300%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%

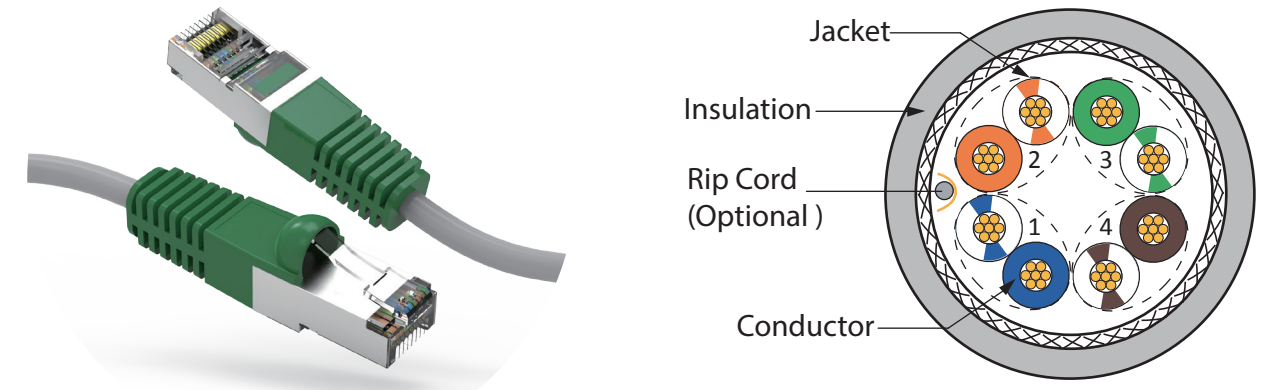
### Ordering Information

- 24AWG bare copper wire
- Standard 568B twisted 4 Pair
- Injection mold snagless boots
- Gray cable with green boots



Length	1Ft	3Ft	5Ft	7Ft	10Ft	15Ft	25Ft	50Ft	75Ft
Item	100721	100723	100724	100725	100726	100727	100728	100729	100730

## Category 6 Shielded (SSTP) Cross Booted Cables



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 550MHz Broadband Video
- 100 VG – AnyLAN (IEEE802.12), 155/622 Mbps ATM
- Voice, T1, ISDN

### Construction

Conductor	Material/Size	Bare Copper/26AWG	Screen	Material	Aluminum-Mylar Tape
Insulation	Material	Foam-Skin PE	Jacket	Material	Flame Retardant PVC
	Thickness	Nominal:0.27mm		Thickness	Nominal:0.50mm
	Diameter	Nominal:1.08mm		Diameter	Nominal:5.7mm
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Colors	Assorted upon request
	Unaged Elongation	Min.100%		Unaged Elongation	Min.100%
	Unaged Tensile Strength	Min.0.816Kgf/mm <sup>2</sup>		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
Drain Wire	Material	Tinned copper	Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%	

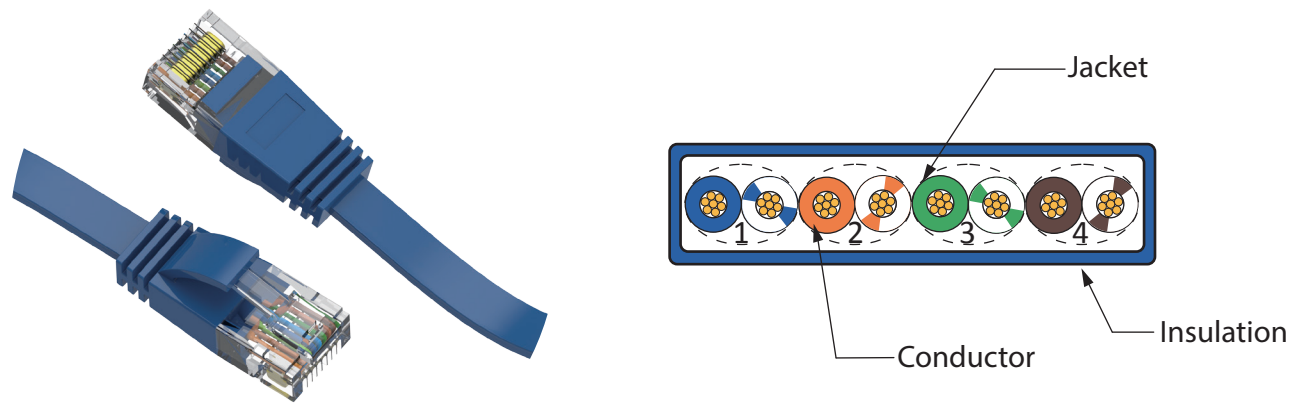
### Ordering Information

- 26AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair
- Foil shield with drain wire
- 50 micron gold plated shielded RJ45 plug
- Injection mold snagless boots



Length	1Ft	3Ft	5Ft	7Ft	10Ft	15Ft	25Ft	50Ft
Item	100821	100823	100824	100825	100826	100827	100828	100831

## Category 6 Flat Patch Cables



### Applications

- 1000BASE-TX Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG – AnyLAN (IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/24AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.5mm
<b>Insulation</b>	Thickness	Nominal:0.186mm		Diameter	Nominal:75.4mm
	Diameter	Nominal:0.96mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange		Unaged Elongation	Min.100%
		Green/White-Green Brown/White-Brown		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Elongation	Min.300%		Aging at 100 °C for 168Hrs	Min.elongation retention:50%
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>			Min.tensile strength retention:75%

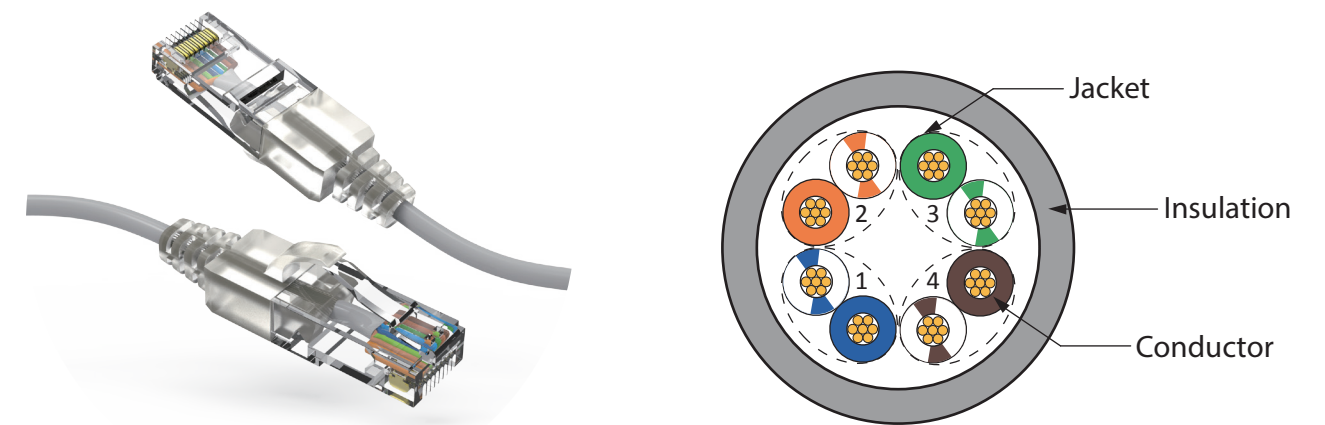
### Ordering Information

- 32AWG bare copper wire
- Standard 568B twisted 4 Pair
- 50 micron gold plated RJ45 Plug
- Injection mold snagless boots



Length	0.5Ft	1Ft	1.5Ft	2Ft	3Ft	4Ft	5Ft	6Ft
Item	100731	100732	100733	100734	100735	100736	100737	100738
Length	7Ft	10Ft	15Ft	20Ft	25Ft	35Ft	45Ft	
Item	100739	100740	100741	100742	100743	100744	100745	

## Category 6 UTP Slim Ethernet Network Booted Cable



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T,100BASE-T Fast Ethernet(IEEE 802.3)
- 100VG-AnyLAN(IEEE802.12),155/622 Mbps ATM
- Voice, T1, ISDN

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/24AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.65mm
<b>Insulation</b>	Thickness	Nominal:0.20mm		Diameter	Nominal:7.5mm
	Diameter	Nominal:1.0mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange		Unaged Elongation	Min.100%
		Green/White-Green Brown/White-Brown		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Elongation	Min.300%		Aging at 100 °C for 168Hrs	Min.elongation retention:50%
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>			Min.tensile strength retention:75%

### Ordering Information

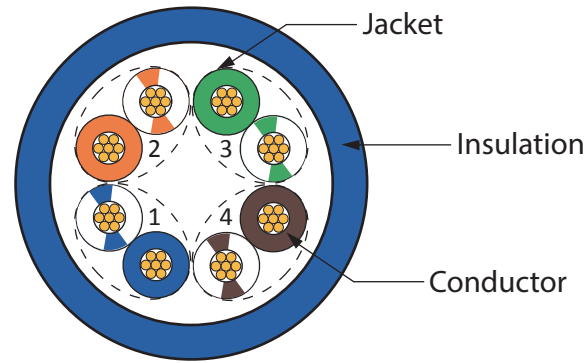
- Designed For: Network Adapters,Hubs,Switches, ROUTERS,DSL/Cable Modems,Patch panels and other Computer Networking applications.
- Cat.6 rated UTP (Unshielded Twist Pair)patch cable
- CM Jacket
- 30AWG 4 pair stranded pure copper wire
- Clear strain releaf boot
- RoHS compliant



Length	0.5Ft	1Ft	1.5Ft	2Ft	3Ft	4Ft	5Ft
Item	100180	100181	100182	100183	100184	100185	100186
Length	6Ft	7Ft	8Ft	9Ft	10Ft	12Ft	15Ft
Item	100187	100188	100189	100190	100191	100192	100193



## Category 6 Panel-Mount



### Applications

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

### Construction

Panel-mount Cat.6 patch cable is designed to mount in various face plates/surfaces. These cables offer a clean and convenient connection to your RJ45 Ethernet network, and the best thing about it is that there is no need to punch down or terminate anything, just simply plug your existing patch cable.

The Cat.6 Panel-Mount type is a standard Cat.6 cable that terminates on a bulkhead mountable female RJ45 connector, the housing/hood comes with embedded nuts and two screws for easy mounting on most wall plates and surfaces.

- Jacket: CM type PVC
- Wiring: T568B standard wiring
- Conductor: 4-pair UTP (Unshielded Twisted Pair) 24 AWG stranded pure copper
- Connectors: RJ45 male to RJ45 female with 50 micron gold plating contacts
- Certification: Compliant with TIA/EIA standard by UL and ETL; RoHS Compliant

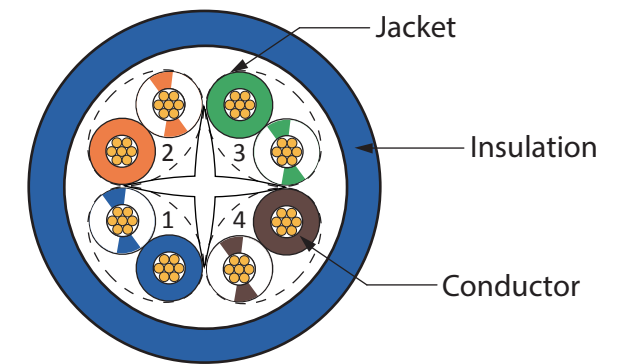
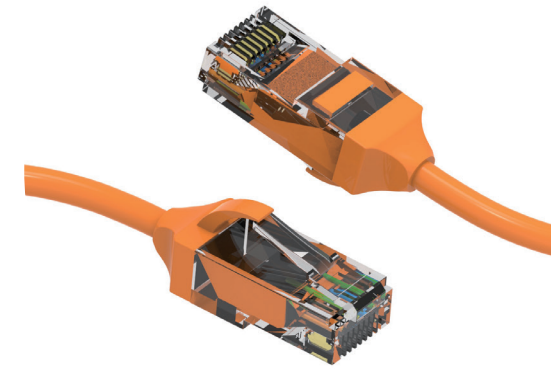
### Ordering Information

- 24AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair



Length	1Ft	2Ft	3Ft	4Ft	6Ft	10Ft	15Ft	25Ft
Item	100770	100771	100772	100773	100774	100775	100776	100777

## Category 6 28AWG Slim Ethernet Network Cable



### Applications

- 100BASE - T Gigabit Ethernet
- 100BASE - TX Fast Ethernet
- 10BASE - T Ethernet
- Voice, Video and other applications

### Construction

Conductor	Material/Size	Bare Copper/28WG	Jacket	Material	Flame Retardant PVC
Insulation	Material	HDPE	Jacket	Thickness	Nominal:0.6mm
	Thickness	Nominal:0.30mm		Diameter	Nominal:3.6mm
	Diameter	Nominal:0.61mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.300%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%	

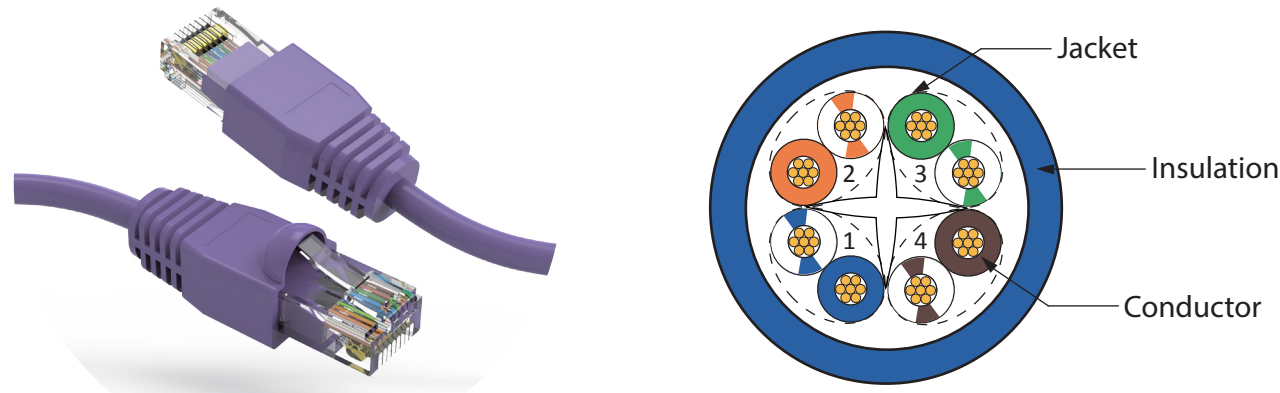
### Ordering Information

- 28AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair



Length	0.5Ft	1Ft	1.5Ft	2Ft	3Ft	4Ft
Item	100180	100181	100182	100183	100184	100185
Length	5Ft	6Ft	7Ft	8Ft	9Ft	10Ft
Item	100186	100187	100188	100189	100190	100191

## Category 6A UTP Booted Cables



### Applications

- 100BASE - T Gigabit Ethernet
- 100BASE - TX Fast Ethernet
- 10BASE - T Ethernet
- Voice, Video and other applications

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/24AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.65mm
<b>Insulation</b>	Thickness	Nominal:0.20mm	<b>Jacket</b>	Diameter	Nominal:7.5mm
	Diameter	Nominal:1.0mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.300%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%

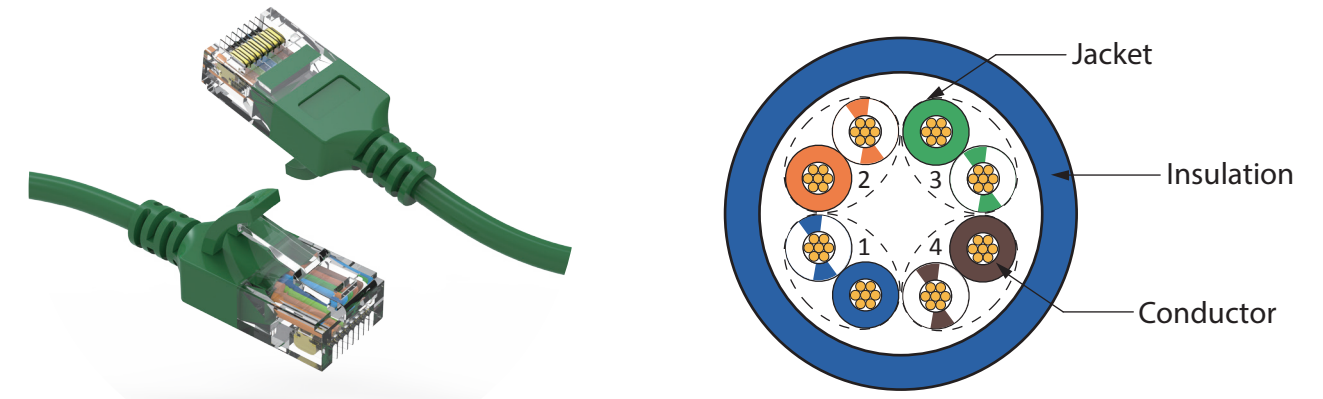
### Ordering Information

- 24AWG stranded bare copper wire
- Stranded 568B twisted 4 Pair



Length	0.5Ft	1Ft	2Ft	3Ft	4Ft	5Ft	6Ft	7Ft
Item	100750	100751	100752	100753	100754	100755	100756	100757
Length	10Ft	15Ft	20Ft	25Ft	35Ft	50Ft	75Ft	100Ft
Item	100758	100759	100760	100761	100762	100763	100764	100765

## Category 6A 28AWG Slim Cables



### Applications

- 100BASE - T Gigabit Ethernet
- 100BASE - TX Fast Ethernet
- 10BASE - T Ethernet
- Voice, Video and other applications

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/28AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.6mm
<b>Insulation</b>	Thickness	Nominal:0.3mm	<b>Jacket</b>	Diameter	Nominal:3.6mm
	Diameter	Nominal:0.61mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.300%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%

### Ordering Information

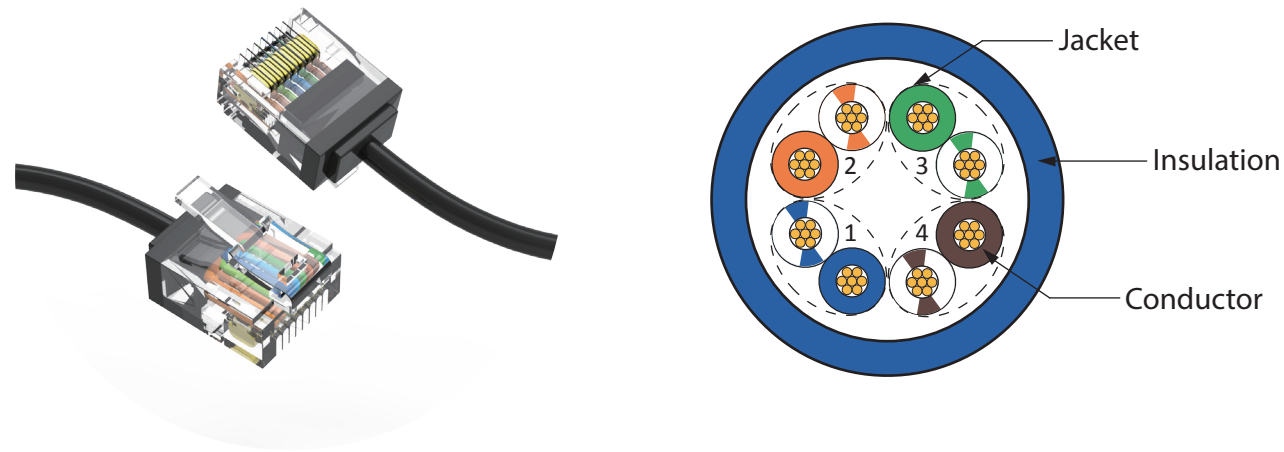
- 28AWG bare copper wire
- Stranded 568B twisted 4 Pair



Length	0.5Ft	1Ft	1.5Ft	2Ft	3Ft	5Ft	7Ft	10Ft	15Ft	20Ft	30Ft	50Ft
Item	100250	100251	100252	100253	100254	100256	100258	100261	100263	100264	100265	100267



## Category 6A 32AWG Slim Cables



### Applications

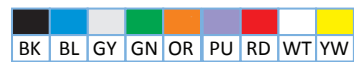
- 100BASE - T Gigabit Ethernet
- 100BASE - TX Fast Ethernet
- 10BASE - T Ethernet
- Voice, Video and other applications

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/32AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.55mm
<b>Insulation</b>	Thickness	Nominal:0.1mm	<b>Jacket</b>	Diameter	Nominal:2.6mm
	Diameter	Nominal:0.45mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange		Unaged Elongation	Min.100%
		Green/White-Green Brown/White-Brown		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Elongation	Min.300%		Aging at 100 °C for 168Hrs	Min.elongation retention:50%
	Unaged Tensile Strength	Min.1.683Kgf/mm <sup>2</sup>			Min.tensile strength retention:75%

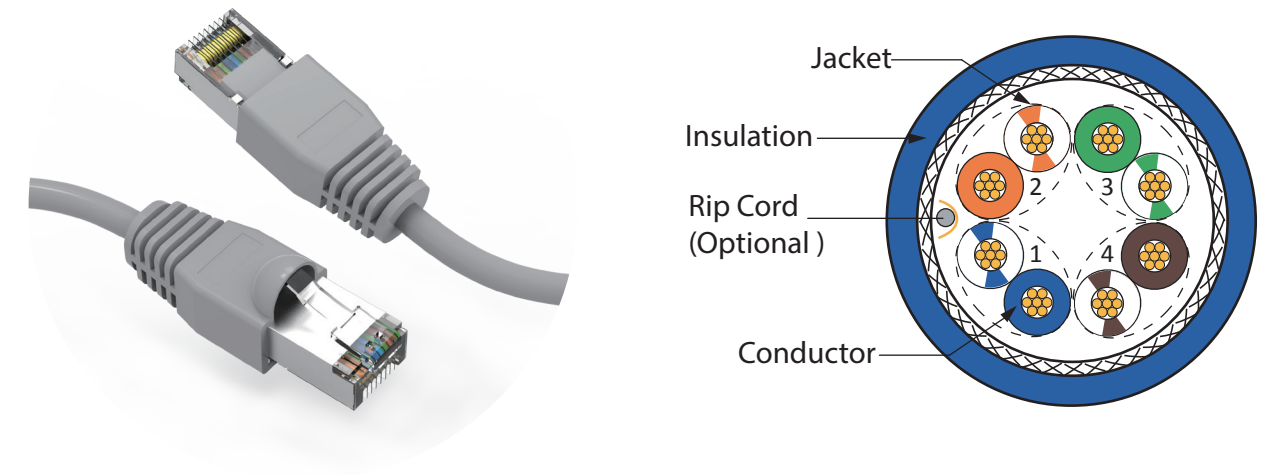
### Ordering Information

- 32AWG bare copper wire
- Stranded 568B twisted 4 Pair



Length	1Ft	1.5Ft	2Ft	3Ft	4Ft	5Ft	6Ft	7Ft	10Ft
Item	100290	100291	100292	100293	100294	100295	100296	100297	100298

## Category 6A Shielded (SSTP) Booted Cables



### Applications

- 10GBASE-T ETHERNET (IEEE P802.3an) Proposed
- 1000BASE-TX Fast Ethernet
- 100BASE-TX Fast Ethernet.
- 155/622 Mbps ATM
- 100VG-AnyLAN
- 1.2Gb/s ATM
- 100 Mbps TP-PMD
- 1000BASE-T Gigabit Ethernet
- 10BASE-T Ethernet.
- 4/16 Mbps Token Ring

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/26AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.5mm
<b>Insulation</b>	Thickness	Nominal:0.27mm	<b>Jacket</b>	Diameter	Nominal:5.7mm
	Diameter	Nominal:1.08mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange		Unaged Elongation	Min.100%
		Green/White-Green Brown/White-Brown		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Elongation	Min.100%		Aging at 100 °C for 168Hrs	Min.elongation retention:50%
	Unaged Tensile Strength	Min.1.816Kgf/mm <sup>2</sup>			Min.tensile strength retention:75%
<b>Screen</b>	Material	Aluminum-Mylar Tape			

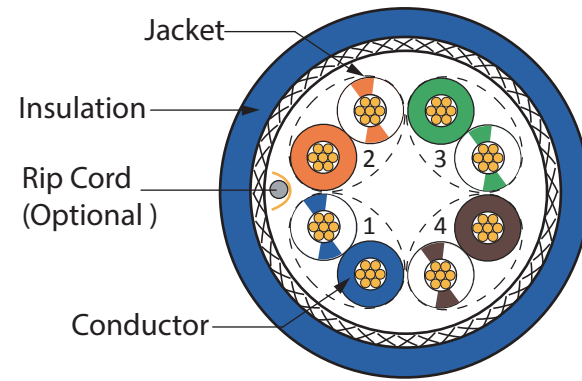
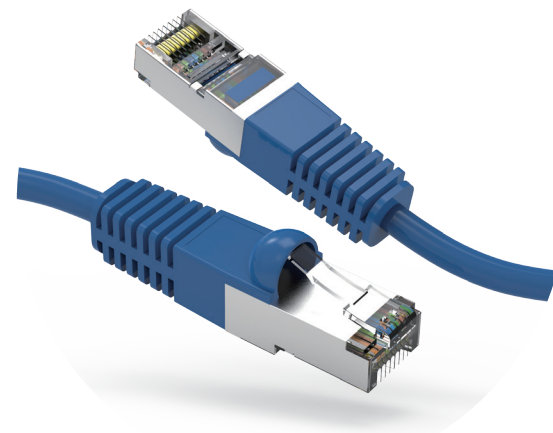
### Ordering Information

- 26AWG standard copper wire
- UL listed
- RoHS compliant
- Double shielded: Each pair foil shielded/4 pair braid shielded
- 50 micron gold plated RJ45 shielded plug
- Molded snugless boot



Length	1Ft	2Ft	3Ft	4Ft	5Ft	6Ft	7Ft	10Ft
Item	100851	100852	100853	100854	100855	100856	100857	100858
Length	15Ft	20Ft	25Ft	35Ft	50Ft	75Ft	100Ft	
Item	100859	100860	100861	100862	100863	100864	100865	

## Category 7 Shielded (SSTP) Booted Cables



### Applications

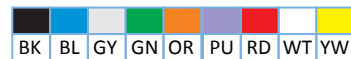
- 10GBASE-T Ethernet
- 1000BASE-Tx Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN (IEEE802.12)
- 550 MHz Broadband Video
- Voice, T1, ISDN
- 155/622 Mbps ATM

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/26AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.5mm
<b>Insulation</b>	Thickness	Nominal:0.3mm		Diameter	Nominal:5.7mm
	Diameter	Nominal:1.08mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.100%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.0.816Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%
	<b>Screen</b>	Material		Aluminum-Mylar Tape	

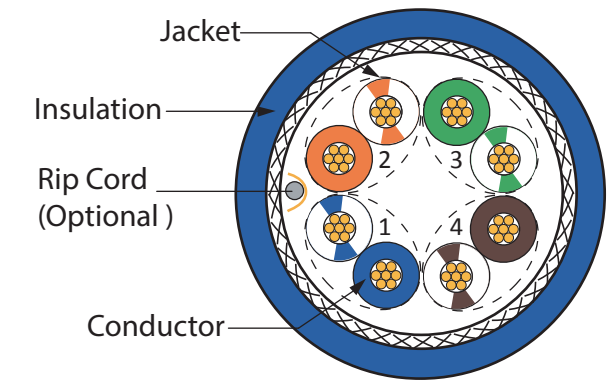
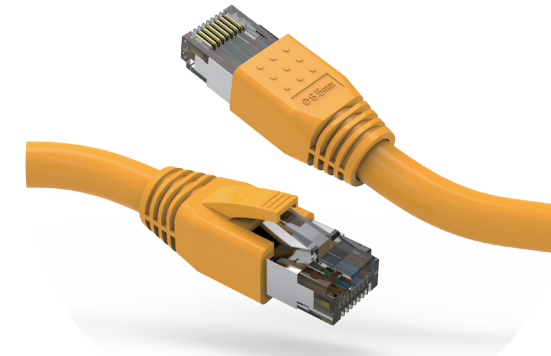
### Ordering Information

- 26AWG bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated shielded RJ45 Plug
- Injection mold snagless boots



<b>Length</b>	1Ft	2Ft	3Ft	4Ft	5Ft	6Ft	7Ft	8Ft	9Ft	10Ft	12Ft
<b>Item</b>	100320	100321	100322	100323	100324	100325	100326	100327	100328	100329	100330
<b>Length</b>	15Ft	20Ft	25Ft	30Ft	40Ft	50Ft	60Ft	70Ft	80Ft	90Ft	100Ft
<b>Item</b>	100331	100332	100333	100334	100335	100336	100337	100338	100339	100340	100341

## Category 8 24AGW Shielded Cables



### Applications

- 10GBASE-T Ethernet
- 1000BASE-Tx Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN (IEEE802.12)
- 550 MHz Broadband Video
- Voice, T1, ISDN
- 155/622 Mbps ATM

### Construction

<b>Conductor</b>	Material/Size	Bare Copper/24AWG	<b>Jacket</b>	Material	Flame Retardant PVC
	Material	HDPE		Thickness	Nominal:0.3mm
<b>Insulation</b>	Thickness	Nominal:0.6mm		Diameter	Nominal:1.4mm
	Diameter	Nominal:7.9mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.100%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.816Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%
	<b>Screen</b>	Material		Aluminum-Mylar Tape	

### Ordering Information

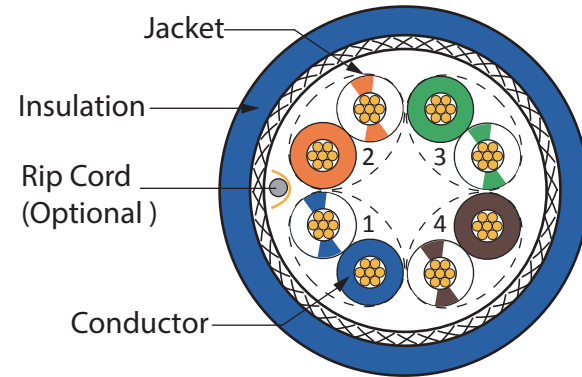
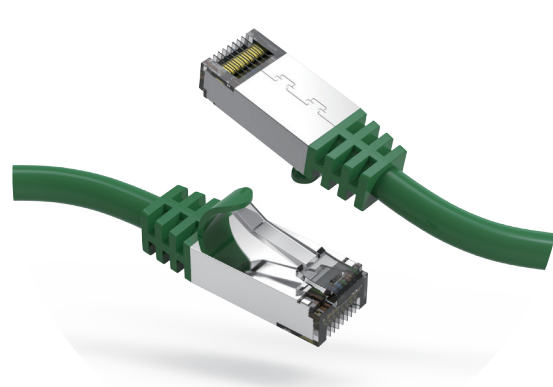
- 24 AWG bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated shielded RJ45 Plug
- Injection mold snagless boots



<b>Length</b>	0.5Ft	1Ft	2Ft	3Ft	5Ft	7Ft	10Ft	15Ft	25Ft	35Ft	50Ft
<b>Item</b>	100350	100351	100352	100353	100355	100357	100358	100360	100361	100362	100363



## Category 8 26AGW SFTP Cables



### Applications

- 10GBASE-T Ethernet
- 1000BASE-Tx Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN (IEEE802.12)
- 550 MHz Broadband Video
- Voice, T1, ISDN
- 155/622 Mbps ATM

### Construction

Conductor	Material/Size	Bare Copper/26AWG	Jacket	Material	Flame Retardant PVC
Insulation	Material	HDPE	Jacket	Thickness	Nominal:0.3mm
	Thickness	Nominal:0.6mm		Diameter	Nominal:1.04mm
	Diameter	Nominal:6.0mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.100%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.816Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%
Screen	Material	Aluminum-Mylar Tape			

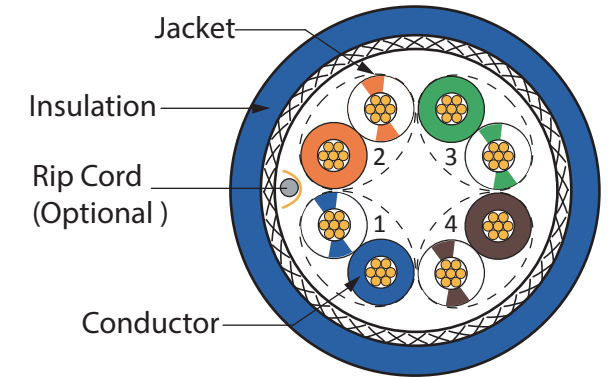
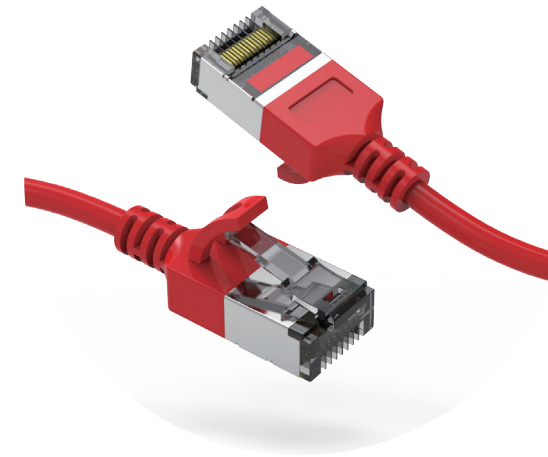
### Ordering Information

- 26 AWG bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated shielded RJ45 Plug
- Injection mold snagless boots



Length	0.5Ft	1Ft	2Ft	3Ft	4Ft	5Ft	7Ft	10Ft
Item	100370	100371	100372	100373	100374	100375	100377	100378

## Category 8 30AGW U/FTP Slim Ethernet Network Cable



### Applications

- 10GBASE-T Ethernet
- 1000BASE-Tx Gigabit Ethernet
- 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN (IEEE802.12)
- 550 MHz Broadband Video
- Voice, T1, ISDN
- 155/622 Mbps ATM

### Construction

Conductor	Material/Size	Bare Copper/30AWG	Jacket	Material	Flame Retardant PVC
Insulation	Material	HDPE	Jacket	Thickness	Nominal:0.65±0.1mm
	Thickness	Nominal:0.3±0.05mm		Diameter	Nominal:4.5±0.15mm
	Diameter	Nominal:0.8±0.05mm		Colors	Assorted upon request
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown		Unaged Elongation	Min.100%
	Unaged Elongation	Min.100%		Unaged Tensile Strength	Min.1.407Kgf/mm <sup>2</sup>
	Unaged Tensile Strength	Min.1.816Kgf/mm <sup>2</sup>		Aging at 100 °C for 168Hrs	Min.elongation retention:50% Min.tensile strength retention:75%
Screen	Material	Aluminum-Mylar Tape			

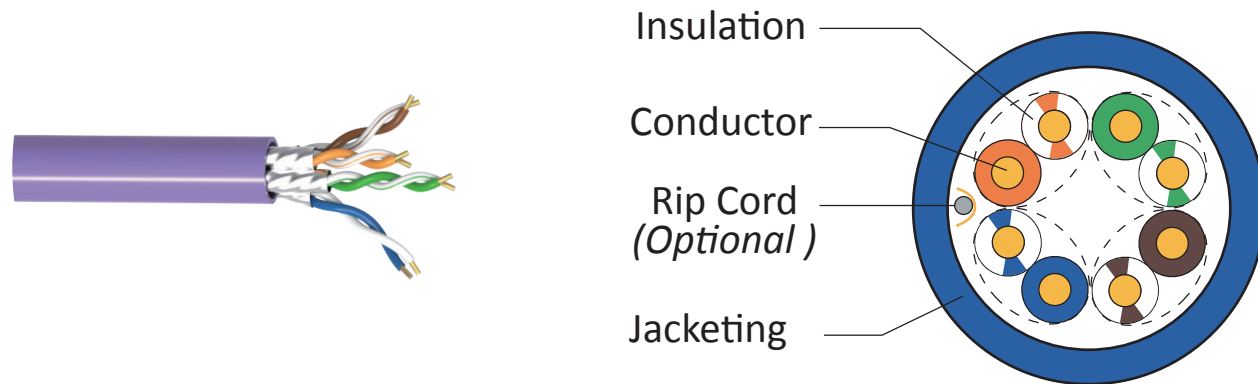
### Ordering Information

- 30AWG bare copper wire
- Stranded 568B twisted 4 Pair
- 50 micron gold plated shielded RJ45 Plug
- Injection mold snagless boots



Length	0.5Ft	1Ft	2Ft	3Ft	5Ft	7Ft	10Ft
Item	100385	100386	100387	100388	100390	100392	100395

## Category 5E UTP Solid CMR/CMH Cable



### Applicable Standards

- UL Listed Type CMP
- C(UL) listed FT6
- UL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs:4
- Size:24 AWG
- Stranding:Solid
- Conductor Material:Solid Annealed Bare Copper
- Shield Material:Unshielded
- Rip Cord:Yes
- Insulation Material:Polyethylene
- Insulation Overall Diameter:0.035 in. ± 0.0002 in.
- Insulation Average Thickness:0.0081 in.
- Jacket:Flame Retardant PVC
- Outer Jacket Average Wall Thickness:0.023 in.
- Outer Jacket Nom. O.D.:0.200 in. ± 0.008 in.
- Nominal Weight:20 lbs

### Mechanical Characteristics

- Temperature Rating Installation: 0 to + 60°C
- Temperature Rating Operating: -20°C to + 75°C
- Tensile Strength:Before > = 13.8 Mpa
- Elongation: Aging > = 100%
- Aging Condition: 100°C x 240 hours
- After > = 85% of unaged
- Aging > = 50% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: 5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: 40 nS / 100 Meters

### Electrical Performance

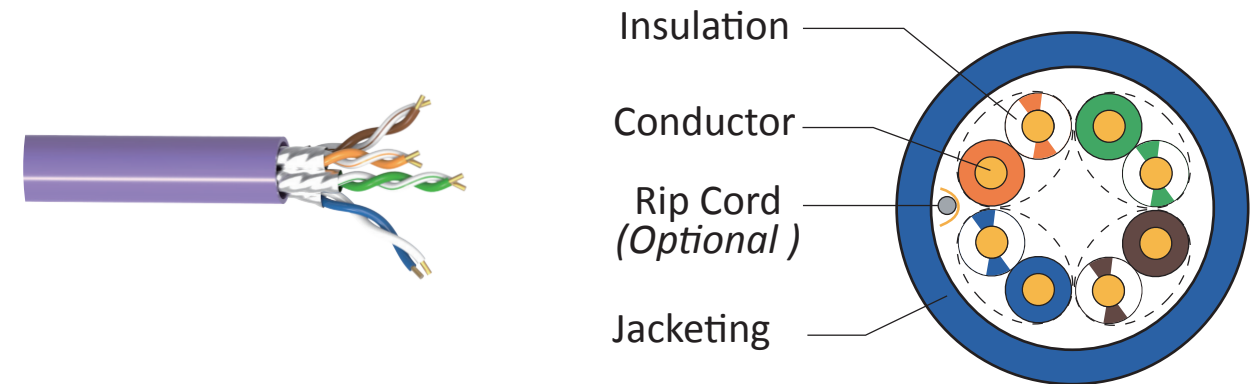
Freq (MHz)	Attenuation (db)		NEXT (dB/100m)		PS-NEXT (dB)		ACR (dB)		EIFEXT (dB)		PSACR - F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
0.772	1.8	1.5	72.0	81.1	70.0	78.7	70.2	79.2	66.0	73.3	68.2	77.0	23.0	33.0
1	2.0	1.8	70.3	79.4	68.3	76.9	68.2	77.6	63.8	71.3	66.3	75.0	23.0	38.6
4	4.1	3.6	61.2	69.9	59.3	67.4	57.2	66.3	51.7	59.4	55.2	63.5	23.0	39.8
8	5.8	5.1	56.8	61.9	54.8	61.9	51.0	59.8	45.7	53.2	49.0	56.9	24.5	38.2
10	6.5	5.8	55.3	62.4	53.5	59.9	48.8	56.6	43.8	50.5	47.0	53.7	25	38.0
16	8.2	7.4	52.3	57.8	50.3	55.2	43.0	53.0	39.7	47.0	42.1	47.4	25	37.4
20	9.3	8.2	50.8	56.4	48.8	53.8	41.5	50.5	39.7	45.0	39.5	45.0	25	36.8
25	10.4	9.3	49.3	56.3	47.3	53.6	38.9	47.0	35.8	43.3	36.9	43.7	23.4	35.2
31.25	11.7	10.5	47.9	53.8	45.9	51.1	36.5	43.3	33.9	41.3	34.2	40.0	23.6	33.3
62.5	17.0	14.9	43.4	49.8	41.4	47.4	26.4	35.0	27.8	35.8	24.2	31.2	21.5	32.3
100	22.0	19.2	40.3	47.5	38.3	45	18.3	26.2	23.8	27.5	16.3	24.2	20.1	31.3
155	28.1	24.2	37.4	45.1	35.4	42.6	10.0	20.9	19.9	31.3	7.3	15.9	18.0	29.8
200	32.4	27.3	35.7	43.3	33.7	40.2	50.0	16.0	17.7	24.7	2.0	10.0	20.1	28.5
250	38.9	30.9	34.8	41.4	32.5	39	0	10.6	17.1	22.2	-	4.0	17.5	27.3
300	41.0	34.1	33.1	40.2	31.1	37.7	-	6.1	16.7	20.5	-	-1.3	25.6	25.6
350	44.9	37.8	32.1	28.5	30.1	36.5	-	1.2	16.0	19.4	-	-6.4	16.3	23.2

### Ordering Informations



Item	Description
100900	1000 ft,Cat 5E 24 AWG Solid Wire Cable CMR.
100901	1000 ft,Cat 5E 24 AWG Stranded UTP Ethernet Cable CMH.

## Category 5E UTP Solid Plenum Cable



### Applicable Standards

- UL Listed Type CMP
- C(UL) listed FT6
- UL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs:4
- Size:24 AWG
- Stranding:Solid
- Conductor Material:Solid Annealed Bare Copper
- Shield Material:Unshielded
- Rip Cord:Yes
- Insulation Material:Polymer Alloy (FEP)
- Insulation Overall Diameter:0.035 in. ± 0.0002 in.
- Insulation Average Thickness:0.0078 in.
- Jacket:Flame Retardant PVC
- Outer Jacket Average Wall Thickness:0.019 in.
- Outer Jacket Nom. O.D.:0.200 in. ± 0.008 in.
- Nominal Weight:21 lbs

### Mechanical Characteristics

- Temperature Rating Installation: 0 to + 60°C
- Temperature Rating Operating: -20°C to + 75°C
- Tensile Strength:Before > = 13.8 Mpa
- Elongation: Aging > = 100%
- Aging Condition: 100°C x 240 hours
- After > = 85% of unaged
- Aging > = 50% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: 5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: 40 nS / 100 Meters

### Electrical Performance

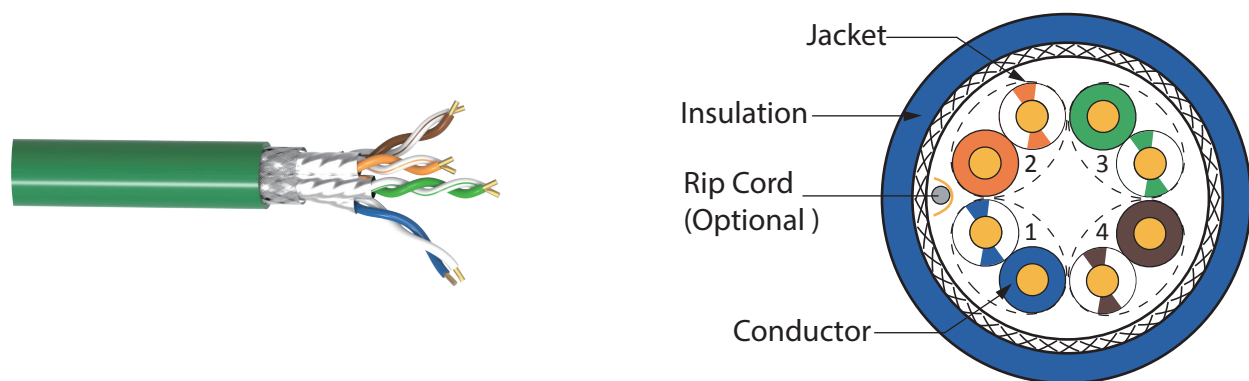
Freq (MHz)	Attenuation (db)		NEXT (dB/100m)		PS-NEXT (dB)		ACR (dB)		EIFEXT (dB)		PSACR - F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
0.772	1.8	1.5	72.0	81.1	70.0	78.7	70.2	79.2	66.0	73.3	68.2	77.0	23.0	33.0
1	2.0	1.8	70.3	79.4	68.3	76.9	68.2	77.6	63.8	71.3	66.3	75.0	23.0	38.6
4	4.1	3.6	61.2	69.9	59.3	67.4	57.2	66.3	51.7	59.4	55.2	63.5	23.0	39.8
8	5.8	5.1	56.8	61.9	54.8	61.9	51.0	59.8	45.7	53.2	49.0	56.9	24.5	38.2
10	6.5	5.8	55.3	62.4	53.5	59.9	48.8	56.6	43.8	50.5	47.0	53.7	25	38.0
16	8.2	7.4	52.3	57.8	50.3	55.2	43.0	53.0	39.7	47.0	42.1	47.4	25	37.4
20	9.3	8.2	50.8	56.4	48.8	53.8	41.5	50.5	39.7	45.0	39.5	45.0	25	36.8
25	10.4	9.3	49.3	56.3	47.3	53.6	38.9	47.0	35.8	43.3	36.9	43.7	23.4	35.2
31.25	11.7	10.5	47.9	53.8	45.9	51.1	36.5	43.3	33.9	41.3	34.2	40.0	23.6	33.3
62.5	17.0	14.9	43.4	49.8	41.4	47.4	26.4	35.0	27.8	35.8	24.2	31.2	21.5	32.3
100	22.0	19.2	40.3	47.5	38.3	45	18.3	26.2	23.8	27.5	16.3	24.2	20.1	31.3
155	28.1	24.2	37.4	45.1	35.4	42.6	10.0	20.9	19.9	31.3	7.3	15.9	18.0	29.8
200	32.4	27.3	35.7	43.3	33.7	40.2	50.0	16.0	17.7	24.7	2.0	10.0	20.1	28.5
250	38.9	30.9	34.8	41.4	32.5	39	0	10.6	17.1	22.2	-	4.0	17.5	27.3
300	41.0	34.1	33.1	40.2	31.1	37.7	-	6.1	16.7	20.5	-	-1.3	25.6	25.6
350	44.9	37.8	32.1	28.5	30.1	36.5	-	1.2	16.0	19.4	-	-6.4	16.3	23.2

### Ordering Informations



Item	Description
100905	1000 ft,Cat 5E 24 AWG Solid Cable Plenum,UL/ETL/CSA.

## Category 5E FTP Solid CMR/CMH Cable



### Application

- ETL Listed CMR Type FTP
- C(ETL) listed FT4 FTP
- ETL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs: 4
- Size: 24 AWG
- Stranding: Solid
- Conductor Material: Solid Annealed Bare Copper
- Shield Material: Al Foil Shield
- Rip Cord: Yes
- Insulation Material: Polyethylene
- Insulation Overall Diameter: 0.0381 in. ± 0.001 in.
- Insulation Average Thickness: 0.0009 in.
- Jacket: Flame Retardant PVC
- Outer Jacket Average Wall Thickness: 0.0236 in
- Outer Jacket Nom. O.D.: 0.242 in.
- Nominal Weight: 31 bs.
- Voltage Rating: 300V

### Mechanical Characteristics

- Temperature Rating Installation: 0 to +60°C
- Temperature Rating Operating: -20°C to +75°C
- Tensile Strength: Before ≥ 13.8 Mpa
- Elongation: Aging ≥ 100%
- Aging Condition: 100°C x 168 hours
- After ≥ 85% of unaged
- Aging ≥ 50% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: 5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: 40 nS / 100 Meters

### Electrical Performance

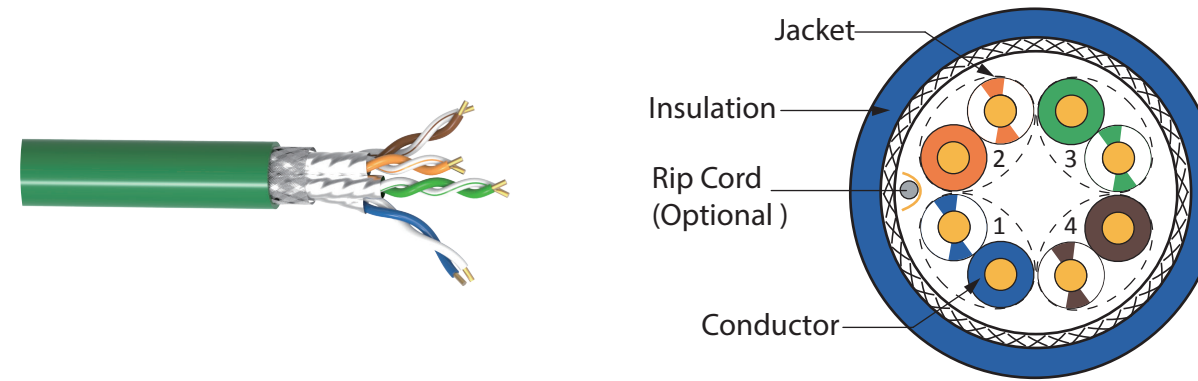
Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	DELAY (ns/100m)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.
1	2	20	68.3	66.3	63.8	60.8	570
4	4.1	23.0	59.3	57.3	51.7	48.7	552
8	5.8	24.5	54.8	52.8	45.7	42.7	546.7
10	6.5	25	53.3	51.3	43.8	40.8	545.4
16	8.2	25	50.3	48.3	39.7	36.7	543
20	9.3	25	48.8	46.8	37.8	34.8	542
25	10.4	24.3	47.3	45.3	35.8	32.8	541.2
31.25	11.7	23.6	45.9	43.6	33.9	30.9	540.4
65.5	17.0	21.5	41.4	39.4	27.8	24.8	538.6
100	22.0	20.1	38.3	36.3	24	21	537.6
155	28.1	18.8	35.5	33.5	20	17	
200	32.4	18.0	33.8	31.8	17.7	14.7	
240	36.0	17.4	32.6	30.6	16.2	13.2	
300	41.0	16.8	31.2	29.2	14.2	11.2	
350	44.9	16.3	30.1	28.1	12.9	9.9	

### Ordering Informations



Item	Description
100903	1000 ft, Cat 5E 26 AWG Stranded Wire Bulk Cable Shielded, CMH.
100904	1000 ft, Cat 5E 24 AWG Solid Wire Bulk Cable Shielded, CMR.

## Category 5E FTP Solid Plenum Cable



### Application

- ETL Listed CMR Type FTP
- C(ETL) listed FT4 FTP
- ETL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs: 4
- Size: 24AWG
- Conductor Diameter: 0.518 x 0.003mm
- Conductor Material: BC Copper
- Shield Material: Aluminum foil wrap
- Rip Cord: Yes
- Insulation Material: FEP
- Insulation Overall Diameter: 0.0374 in. ± 0.001in
- Insulation Average Thickness: 0.0086 in.
- Jacket: Flame Retardant PVC
- Outer Jacket Norm. O.D : 0.233 in
- Outer Jacket Average Wall Thickness: 0.020in.
- Nominal Weight: 29 lbs

### Mechanical Characteristics

- Temperature Rating Installation: 0°C to +60°C
- Temperature Rating Operating: -20°C to +75°C
- Tensile Strength: Before ≥ 13.8 Mpa
- Elongation: Aging ≥ 100%.
- Aging Condition: 100°C x 168 hours
- After ≥ 85% of unaged
- After ≥ 50% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: 5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: 40 nS / 100 Meters

### Electrical Performance

Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	DELAY (ns/100m)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.
1	2	20	68.3	66.3	63.8	60.8	570
4	4.1	23.0	59.3	57.3	51.7	48.7	552
8	5.8	24.5	54.8	52.8	45.7	42.7	546.7
10	6.5	25	53.3	51.3	43.8	40.8	545.4
16	8.2	25	50.3	48.3	39.7	36.7	543
20	9.3	25	48.8	46.8	37.8	34.8	542
25	10.4	24.3	47.3	45.3	35.8	32.8	541.2
31.25	11.7	23.6	45.9	43.6	33.9	30.9	540.4
62.5	17.0	21.5	41.4	39.4	27.8	24.8	538.6
100	22.0	20.1	38.3	36.3	24	21	537.6
155	28.1	18.8	35.5	33.5	20	17	
200	32.4	18.0	33.8	31.8	17.7	14.7	
240	36.0	17.4	32.6	30.6	16.2	13.2	
300	41.0	16.8	31.2	29.2	14.2	11.2	
350	44.9	16.3	30.1	28.1	12.9	9.9	

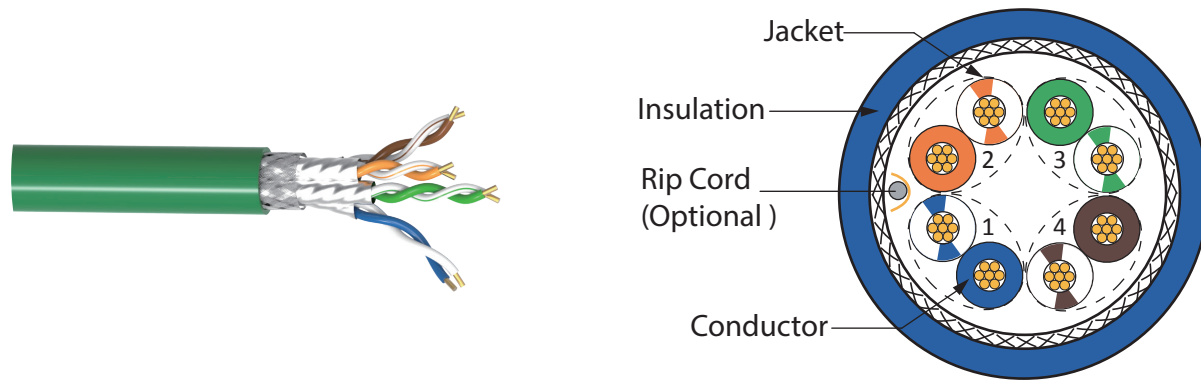
### Ordering Informations



Item	Description
100905	1000 ft, Cat 5E 24 AWG Solid Cable Plenum, UL/ETL/CSA.



## Category 5E FTP Direct Burial Outdoor Cable



### Applicable Standards

- ETL Listed CMR Type FTP
- C(ETL) listed FT4 FTP
- ETL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs: 4
- Size: 24AWG
- Conductor Material: BC Copper
- Shield Material: Aluminum foil wrap
- Rip Cord: Yes
- Insulation Material: HDPE
- Insulation Overall Diameter: 0.040 in. ± 0.0002in
- Insulation Average Thickness: 0.0081 in.
- Jacket: Flame Retardant PVC
- Outer Jacket Norm. O.D : 0.244 in ± 0.008
- Outer Jacket Average Wall Thickness: 0.021in.
- Nominal Weighr: 27 lbs

### Mechanical Characteristics

- Temperature Rating Installation: -40°C to +75°C
- Temperature Rating Operating: -40°C to +75°C
- Tensile Strength: Before ≥ 19 Mpa
- Elongation: Aging ≥ 300%.
- Aging Condition: 100°C x 96 hours
- After ≥ 80% of unaged
- After ≥ 50% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: ≤ 2.5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: ≤45 nS / 100 Meters

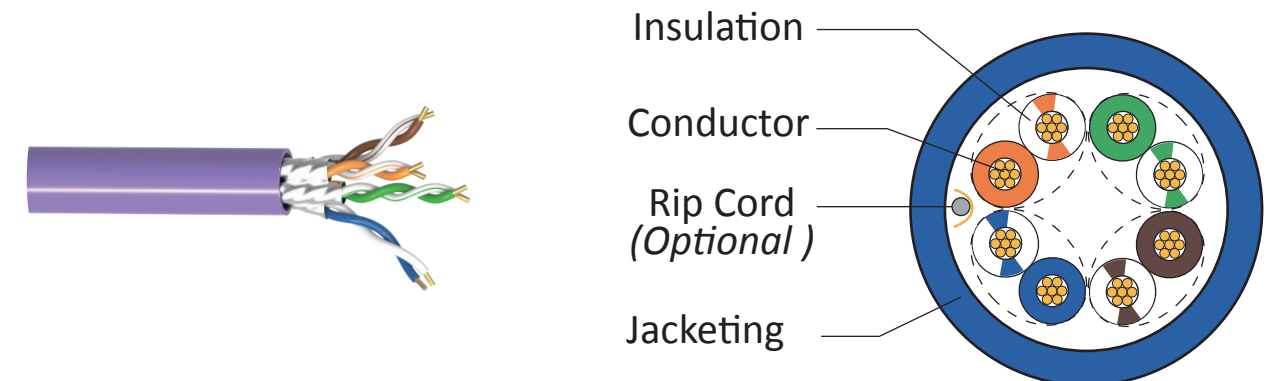
### Electrical Performance

Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	DELAY (ns/100m)	ACR (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	
1	2.04	20	65.30	61	64	61	570	62.90
4	4.05	23.01	56.27	48.96	51.96	48.96	552	51.37
10	6.47	25	50.30	41	44	41	545.38	42.50
16	8.25	25	47.24	36.92	39.92	36.92	543	37.34
20	9.27	25	45.78	34.98	37.98	34.98	542.05	34.68
25	10.42	24.32	44.33	33.04	36.04	33.04	541.20	31.83
31.25	11.72	23.64	42.88	31.10	34.10	31.10	540.44	28.78
62.5	16.99	21.54	38.36	25.08	28.08	25.08	538.55	71.96
100	21.98	20.11	35.30	21	24	21	537.60	8.90
350	44.85	16.30	27.14	10.12	13.12	10.12	535.92	-17.71

### Ordering Informations

Item	Description	Color
100913	1000 ft,Cat 5E 24AWG Outdoor Direct Burial Shilded Wire.	Black

## Category 6 UTP Direct Burial Outdoor Cable



### Applicable Standards

- ETL Listed CMR Type FTP
- C(ETL) listed FT4 FTP
- ETL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs: 4
- Size: 23AWG
- Conductor Material: BC Copper
- Shield Material: Unshielded
- Rip Cord: Yes
- Insulation Material: HDPE
- Insulation Overall Diameter: 0.040 in. ± 0.0002in
- Insulation Average Thickness: 0.0088 in.
- Jacket: LDPE
- Outer Jacket Norm. O.D : 0.244 in. ± 0.008 in.
- Outer Jacket Average Wall Thickness: 0.022in.
- Nominal Weighr: 30 lbs

### Mechanical Characteristics

- Temperature Rating Installation: -40°C to +75°C
- Temperature Rating Operating: -40°C to +75°C
- Tensile Strength: Before ≥ 19 Mpa
- Elongation: Aging ≥ 300%.
- Aging Condition: 100°C x 96 hours
- After ≥ 80% of unaged
- After ≥ 50% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: ≤ 2.5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: ≤45 nS / 100 Meters

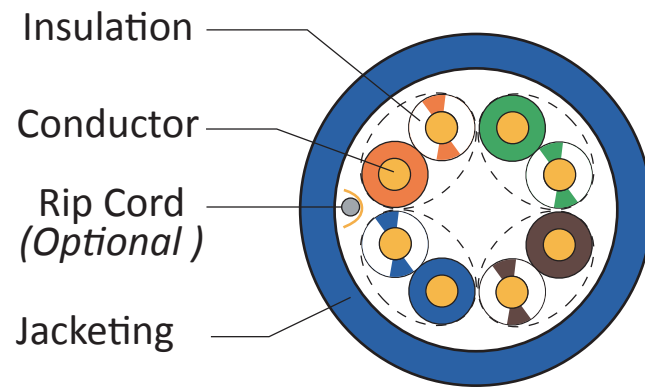
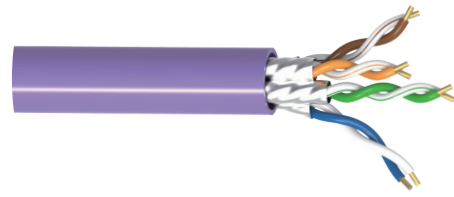
### Electrical Performance

Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	DELAY (ns/100m)	ACR (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	
1	2.03	20	74.30	66.3	67.80	64.80	570	72.70
4	3.87	23.0	63.27	57.3	55.76	52.76	552	61.40
10	5.95	25	57.30	52.8	47.80	44.80	545.38	53.35
16	7.55	25	54.24	51.3	43.72	40.72	543	48.69
20	8.47	25	52.78	48.3	41.78	38.78	542.05	46.31
25	9.51	24.32	51.33	46.8	39.84	36.84	541.20	43.82
31.25	10.67	23.64	49.88	45.3	37.90	34.90	540.44	41.21
62.5	15.38	21.54	45.36	43.6	31.88	28.88	538.55	31.98
100	19.80	20.11	51.30	39.4	27.80	24.80	537.60	24.50
200	28.98	18	37.78	36.3	21.78	18.78	536.55	10.80
250	32.85	17.32	36.33	33.5	19.84	16.84	536.28	5.48
350	39.75	16.30	34.14	31.8	16.92	13.92	535.92	-3.65
550	51.76	14.92	31.19	30.6	12.99	9.99	535.54	-18.57

### Ordering Informations

Item	Description	Color
101017	1000 ft, Cat 6 UTP Direct Burial Outdoor Cable Gel Type.	Black
101007	1000 ft, Cat 6 UTP Direct Burial Outdoor Cable..	Black

## Category 6 UTP Solid CMR/CMH Cable



### Applicable Standards

- UL Listed Type CMP
- C(UL) listed FT6
- UL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs: 4
- Size: 23 AWG
- Stranding: Solid
- Conductor Material: Solid Annealed Bare Copper
- Shield Material: Unshielded
- Rip Cord: Yes
- Insulation Material: Polyethylene
- Insulation Overall Diameter: 0.040 in. ± 0.0002 in.
- Insulation Average Thickness: 0.0088 in.
- Jacket: Flame Retardant PVC
- Outer Jacket Average Wall Thickness: 0.023 in.
- Outer Jacket Nom. O.D.: 0.244 in. ± 0.008 in.
- Nominal Weight: 30 lbs

### Mechanical Characteristics

- Temperature Rating Installation: 0 to + 60°C
- Temperature Rating Operating: -20°C to + 75°C
- Tensile Strength: Before = 13.8 Mpa
- Elongation: Aging > = 100%
- Aging Condition: 100°C x 168 hours
- After > = 85% of unaged
- Aging > = 50% of unaged

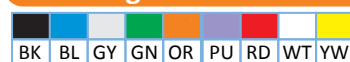
### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: 5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: 40 nS / 100 Meters

### Electrical Performance

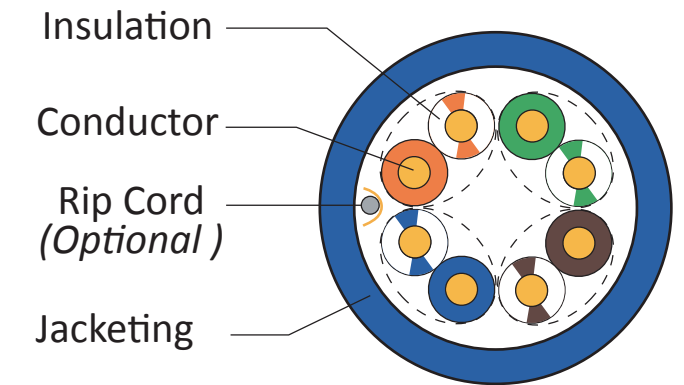
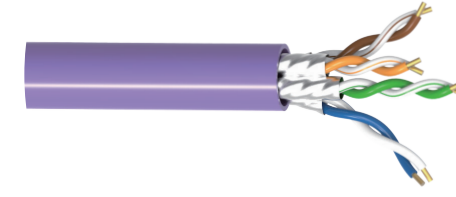
Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	PS-ACR (dB)	ACR (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	Min.
1	2.0	20	77.3	75.3	70.8	67.8	73	75
4	3.8	25.4	68.3	66.3	58.7	55.7	62	64
8	5.3	26	63.8	61.8	52.7	49.7	55.7	57.7
10	5.9	26	62.3	60.3	50.8	47.8	53.6	55.6
16	7.4	26	59.3	57.3	46.7	43.7	48.7	50.7
20	8.3	25.5	57.8	55.8	44.7	41.7	46.2	48.2
25	9.3	25	56.3	54.3	42.8	39.8	43.6	45.6
31.25	10.4	23.5	54.9	52.9	40.9	37.9	40.8	42.8
62.5	14.9	22.5	50.4	48.4	34.8	31.8	30.9	32.9
100	19.0	21.6	47.3	45.3	30.8	27.8	22.9	24.9
155	23.9	21	45.8	43.5	27.0	23.6	21.5	21
200	27.4	20.5	42.8	39.3	22.8	19.8	11.5	13.5
300	34.0	20.1	40.2	38.2	21.2	18.2	5	9.6
350	37	19.8	39.2	37.2	19.7	16.9	3.2	5.2
400	39.7	19.5	38.3	36.3	18.7	15.7	-	1.5
450	42.1	19.2	37.5	35.5	17.7	14.7	-	-
500	44.9	19	36.8	34.8	16.8	13.8	-	-
550	47.3	18.8	36.2	34.2	15.9	12.9	-	-

### Ordering Informations



Item	Description
101000	1000 ft, Cat 6 23 AWG Solid Wire Cable CMR.
101001	1000 ft, Cat 6 24 AWG Stranded UTP Ethernet Cable CMH.

## Category 6 UTP Direct Burial Outdoor Cable



### Applicable Standards

- ETL Listed CMR Type FTP
- C(ETL) listed FT4 FTP
- ETL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs: 4
- Size: 23AWG
- Conductor Material: BC Copper
- Shield Material: Unshielded
- Rip Cord: Yes
- Insulation Material: HDPE
- Insulation Overall Diameter: 0.040 in. ± 0.0002in
- Insulation Average Thickness: 0.0088 in.
- Jacket: LDPE
- Outer Jacket Norm. O.D : 0.244 in. ± 0.008 in.
- Outer Jacket Average Wall Thickness: 0.022in.
- Nominal Weighr: 30 lbs

### Mechanical Characteristics

- Temperature Rating Installation: -40°C to +75°C
- Temperature Rating Operating: -40°C to +75°C
- Tensile Strength: Before ≥ 19 Mpa
- Elongation: Aging ≥ 300%.
- Aging Condition: 100°C x 96 hours
- After ≥ 80% of unaged
- After ≥ 50% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: ≤ 2.5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: ≤45 nS / 100 Meters

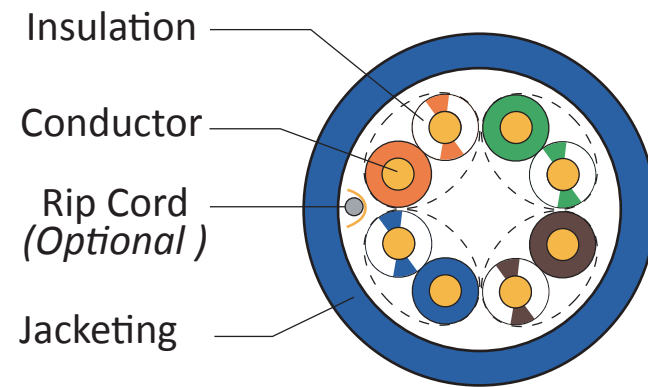
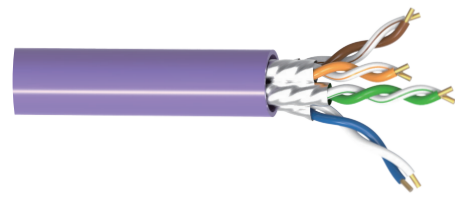
### Electrical Performance

Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	DELAY (ns/100m)	ACR (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	
1	2.03	20	74.30	66.3	67.80	64.80	570	72.70
4	3.87	23.0	63.27	57.3	55.76	52.76	552	61.40
10	5.95	25	57.30	52.8	47.80	44.80	545.38	53.35
16	7.55	25	54.24	51.3	43.72	40.72	543	48.69
20	8.47	25	52.78	48.3	41.78	38.78	542.05	46.31
25	9.51	24.32	51.33	46.8	39.84	36.84	541.20	43.82
31.25	10.67	23.64	49.88	45.3	37.90	34.90	540.44	41.21
62.5	15.38	21.54	45.36	43.6	31.88	28.88	538.55	31.98
100	19.80	20.11	41.78	39.4	27.80	24.80	537.60	24.50
200	28.98	18	37.78	36.3	21.78	18.78	536.55	10.80
250	32.85	17.32	36.33	33.5	19.84	16.84	536.28	5.48
350	39.75	16.30	34.14	31.8	16.92	13.92	535.92	-3.65
550	51.76	14.92	31.19	30.6	12.99	9.99	535.54	-18.57

### Ordering Informations

Item	Description	Color
101017	1000 ft, Cat 6 UTP Direct Burial Outdoor Cable Gel Type.	Black
101007	1000 ft, Cat 6 UTP Direct Burial Outdoor Cable..	Black

## Category 6 UTP Solid Plenum Cable



### Applicable Standards

- UL Listed Type CMP
- C(UL) listed FT6
- UL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs:4
- Size:23 AWG
- Stranding:Solid
- Conductor Material:Solid Annealed Bare Copper
- Shield Material:Unshielded
- Rip Cord:Yes
- Insulation Material:Polymer Alloy (FEP)
- Insulation Overall Diameter:0.038 in. ± 0.0002 in.
- Insulation Average Thickness:0.0078 in.
- Jacket:Flame Retardant PVC
- Outer Jacket Average Wall Thickness:0.020 in
- Outer Jacket Nom. O.D.:0.236in. ± 0.008 in.
- Nominal Weight:31 lbs

### Mechanical Characteristics

- Temperature Rating Installation: 0 to + 60°C
- Temperature Rating Operating: -20°C to + 75°C
- Tensile Strength:Before > = 13.8 Mpa
- Elongation: Aging > = 100%
- Aging Condition: 100°C x 168 hours
- After > = 85% of unaged
- Aging > = 50% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: 5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: 40 nS / 100 Meters

### Electrical Performance

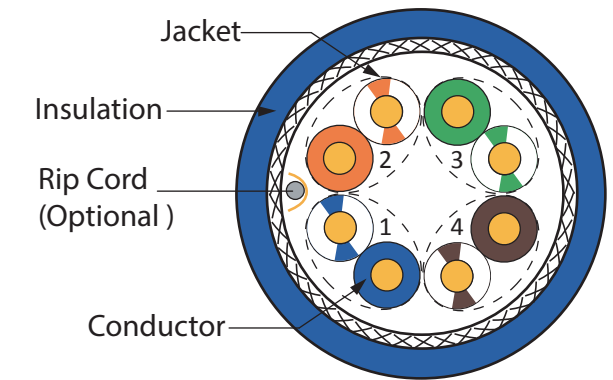
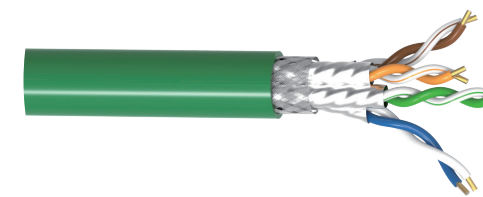
Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	PS-ACR (dB)	ACR (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	Min.
1	2.0	20	77.3	75.3	70.8	67.8	73	75
4	3.8	25.4	68.3	66.3	58.7	55.7	62	64
8	5.3	26	63.8	61.8	52.7	49.7	55.7	57.7
10	5.9	26	62.3	60.3	50.8	47.8	53.6	55.6
16	7.4	26	59.3	57.3	46.7	43.7	48.7	50.7
20	8.3	25.5	57.8	55.8	44.7	41.7	46.2	48.2
25	9.3	25	56.3	54.3	42.8	39.8	43.6	45.6
31.25	10.4	23.5	54.9	52.9	40.9	37.9	40.8	42.8
62.5	14.9	22.5	50.4	48.4	34.8	31.8	30.9	32.9
100	19.0	21.6	47.3	45.3	30.8	27.8	22.9	24.9
155	23.9	21	45.8	43.5	27.0	23.6	21.5	21
200	27.4	20.5	42.8	39.3	22.8	19.8	11.5	13.5
300	34.0	20.1	40.2	38.2	21.2	18.2	5	9.6
350	37	19.8	39.2	37.2	19.7	16.9	3.2	5.2
400	39.7	19.5	38.3	36.3	18.7	15.7	-	1.5
450	42.1	19.2	37.5	35.5	17.7	14.7	-	-
500	44.9	19	36.8	34.8	16.8	13.8	-	-
550	47.3	18.8	36.2	34.2	15.9	12.9	-	-

### Ordering Informations



Item	Description
101005	1000 ft,Cat 6 23 AWG Solid Cable Plenum w/Spline(CMP).

## Category 6 FTP Solid CMR/CMH Cable



### Application

- ETL Listed CMR Type FTP
- C(ETL) listed FT4 FTP
- ETL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs: 4
- Size: 23 AWG
- Stranding: Solid
- Conductor Material:Solid Annealed Bare Copper
- Shield Material: Al Foil Shield
- Rip Cord: Yes
- Insulation Material: Polyethylene
- Insulation Overall Diameter:0.045 in. ± 0.002 in.
- Insulation Average Thickness:0.0106 in.
- Jacket: Flame Retardant PVC
- Outer Jacket Average Wall Thickness: 0.0236 in
- Outer Jacket Nom. O.D.: 0.242 in. ± 0.008 in.
- Nominal Weight: 42 bs.

### Mechanical Characteristics

- Temperature Rating Installation: 0 to + 60°C
- Temperature Rating Operating: -20°C to + 75°C
- Tensile Strength:Before > = 13.8 Mpa
- Elongation: Aging > = 100%
- Aging Condition: 100°C x 168 hours
- After > = 85% of unaged
- Aging > = 50% of unaged

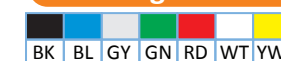
### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: 5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: 45 nS / 100 Meters

### Electrical Performance

Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Delay(Max) (ns/100m)	ACR (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	Min.
1	2.03	20	72.3	70.3	67.8	64.8	570	72.70
4	3.87	23	63.3	61.3	55.76	52.76	552	61.40
8	5.95	25	57.3	55.3	44.80	41.80	545.38	53.35
10	7.55	25	54.2	52.2	43.72	40.72	543	48.69
16	8.47	25	52.8	50.8	41.78	38.78	542.05	46.31
20	9.51	24.3	51.3	49.3	39.84	36.84	541.20	43.82
25	10.67	23.6	49.9	47.9	37.90	34.90	540.44	41.21
31.25	15.38	21.5	45.4	43.4	31.88	28.88	538.55	31.98
62.5	19.80	20.1	51.3	49.3	27.80	24.80	537.60	24.50
100	28.98	18	37.8	35.8	21.78	18.78	536.55	10.80
155	32.85	17.3	36.3	34.3	19.84	16.84	536.28	5.40
200	34	20.1	38.2	36.2	21.20	18.20	-	-
300	37	19.8	37.2	35.2	19.90	16.90	-	-
350	39.70	19.5	36.3	34.3	18.70	15.70	-	-
400	42.10	19.2	35.5	33.5	17.70	14.70	-	-
450	44.90	19	34.8	32.8	16.80	13.80	-	-
500	47.30	18.8	34.2	32.2	15.90	12.90	-	-

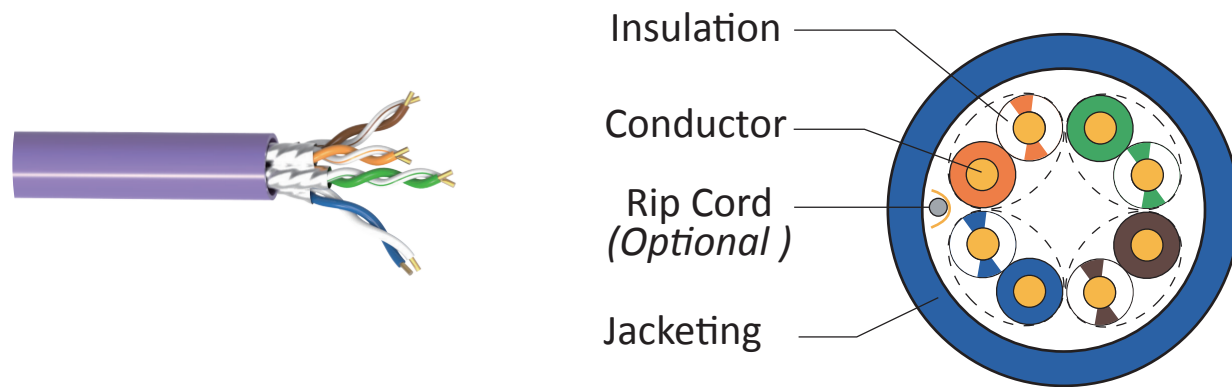
### Ordering Informations



Item	Description
101003	1000 ft,Cat 6 26 AWG Stranded Wire Bulk Cable Shielded,CMH.
101004	1000 ft,Cat 6 23 AWG Solid Wire Bulk Shielded (PIMF) Cable .
101015	1000 ft,Cat 6 234 AWG Solid Wire Bulk Shielded Cable.



## Category 6A UTP Solid Plenum Cable



### Application

- UL Listed Type CMP
- C(UL) listed FT6
- UL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs:4
- Size:23 AWG
- Stranding:Solid
- Conductor Material:Solid Annealed Bare Copper
- Shield Material:Unshielded
- Rip Cord:Yes
- Insulation Material:Polymer Alloy (FEP)
- Insulation Diameter:0.041 in.
- Jacket Diameter:0.3543 in.
- Jacket:Flame Retardant PVC
- Jacket Spacer Thickness:0.0393 in
- Outer Sheath Thickness:0.0177 in.
- Nominal Weight:54 lbs

### Mechanical Characteristics

- Temperature Rating Installation: 0 to + 60°C
- Temperature Rating Operating: -20°C to + 75°C
- Tensile Strength:Before > = 13.8 Mpa
- Elongation: Aging > = 100%
- Aging Condition: 100°C x 168 hours
- After > = 85% of unaged
- Aging > = 50% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: 5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: 45 nS / 100 Meters

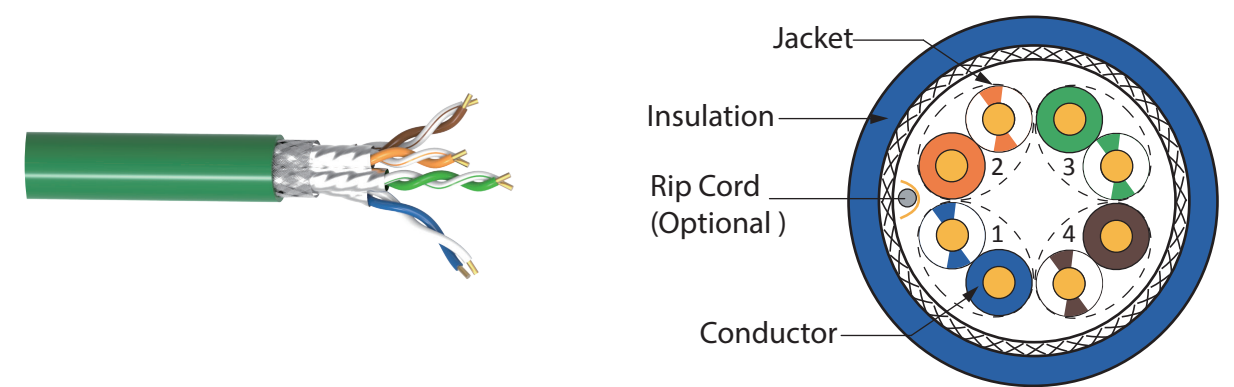
### Electrical Performance

Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	PS-ANEXT (dB/100m)	PS-AELFEXT (dB/100m)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	Min.
1	2.1	20	74.3	72.3	67.8	64.8	67	67
4	3.8	23	65.3	63.3	55.8	52.8	67	66.2
8	5.3	24.5	60.8	58.8	49.7	46.7	67	60.1
10	5.9	25	59.3	57.3	47.8	44.8	67	56.2
16	7.5	25	56.2	54.2	43.7	40.7	67	54.1
20	8.4	25	54.8	52.8	41.8	38.8	67	52.2
25	9.4	24.3	53.3	51.3	39.8	36.8	67	50.2
31.25	10.5	23.6	51.9	49.9	37.9	34.9	67	48.3
62.5	15	21.5	47.4	45.4	31.9	28.9	65.6	42.3
100	19.1	20.1	44.3	42.3	27.8	24.8	62.5	38.2
200	27.6	18	39.8	37.8	21.8	18.8	58	32.2
250	31.1	17.3	38.3	36.3	19.8	16.8	56.5	30.2
300	34.3	16.8	37.1	35.1	18.3	15.3	55.3	28.7
400	40.1	15.9	35.3	33.3	15.8	12.8	53.5	26.2
500	45.3	15.2	33.8	31.8	13.8	10.8	52	24.2

### Ordering Informations

Item	Description
101010	1000 ft,Cat 6 10G UTP Solid Wire Plenum CMP

## Category 6A FTP Solid Plenum Cable



### Application

- UL Listed Type CMP
- C(UL) listed FT6
- UL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs:4
- Size:23 AWG
- Stranding:Solid
- Conductor Material:Solid Annealed Bare Copper
- Shield Material:Unshielded
- Rip Cord:Yes
- Insulation Material:Polymer Alloy (FEP)
- Insulation Diameter:0.041 in.
- Jacket Diameter:0.3153 in.
- Jacket:Flame Retardant PVC
- Jacket Spacer Thickness:0.0393 in
- Outer Sheath Thickness:0.0177 in.
- Nominal Weight:49 lbs

### Mechanical Characteristics

- Temperature Rating Installation: 0 to + 60°C
- Temperature Rating Operating: -20°C to + 75°C
- Tensile Strength:Before > = 13.8 Mpa
- Elongation: Aging > = 100%
- Aging Condition: 100°C x 168 hours
- After > = 85% of unaged
- Aging > = 50% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 5.6 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: 5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: 45 nS / 100 Meters

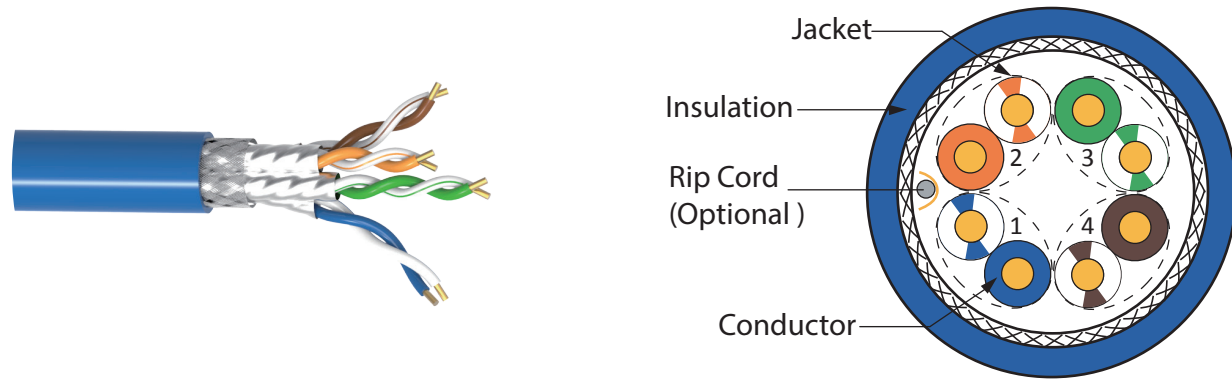
### Electrical Performance

Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	PS-ANEXT (dB/100m)	PS-AELFEXT (dB/100m)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	Min.
1	2.1	20	74.3	72.3	67.8	64.8	67	67
4	3.8	23	65.3	63.3	55.8	52.8	67	66.2
8	5.3	24.5	60.8	58.8	49.7	46.7	67	60.1
10	5.9	25	59.3	57.3	47.8	44.8	67	56.2
16	7.5	25	56.2	54.2	43.7	40.7	67	54.1
20	8.4	25	54.8	52.8	41.8	38.8	67	52.2
25	9.4	24.3	53.3	51.3	39.8	36.8	67	50.2
31.25	10.5	23.6	51.9	49.9	37.9	34.9	67	48.3
62.5	15	21.5	47.4	45.4	31.9	28.9	65.6	42.3
100	19.1	20.1	44.3	42.3	27.8	24.8	62.5	38.2
200	27.6	18	39.8	37.8	21.8	18.8	58	32.2
250	31.1	17.3	38.3	36.3	19.8	16.8	56.5	30.2
300	34.3	16.8	37.1	35.1	18.3	15.3	55.3	28.7
400	40.1	15.9	35.3	33.3	15.8	12.8	53.5	26.2
500	45.3	15.2	33.8	31.8	13.8	10.8	52	24.2

### Ordering Informations

Item	Description
101012	1000 ft,Cat 6 10G FTP Solid Wire Plenum Cable

## Category 8 STP Solid Bulk Cable



### Application

- ETL Listed CMR Type FTP
- C(ETL) listed FT4 FTP
- ETL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Temperature Rating: 75°C
- Voltage Rating: 300V AC
- Elongation at conductors: ≥ 10%
- Elongation at insulation: ≥ 300%
- Tensile strength of insulation: ≥ 16.5MPa
- Elongation at jacket: ≥ 100%
- Tensile strength of jacket: ≥ 10.3MPa
- Insulation Material: FM-PE+SKIN
- Insulation Diameter: 1.47 ± 0.05mm
- Insulation Avg. Thickness: 0.42mm
- Jacket Material: CM PVC
- Jacket Avg. Thickness (nom): 0.06mm
- Jacket Diameter: 8.0 ± 0.20mm

### Mechanical Characteristics

- Installation temperature: 0~50°C
- Operating temperature: -20°C to 75°C
- Min bending radius: 10xOD in operation, 7xOD after operation
- Compliance with RoHS 2.0 and REACH

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 73.2 Ω / km @ 20°C
- Maximum DC Resistance Unbalanced @ 20°C: ≤ 5%
- Insulation resistance: ≥ 500MΩ / 100m
- Dielectric Test: 500V DC / 1min; No Breakdown

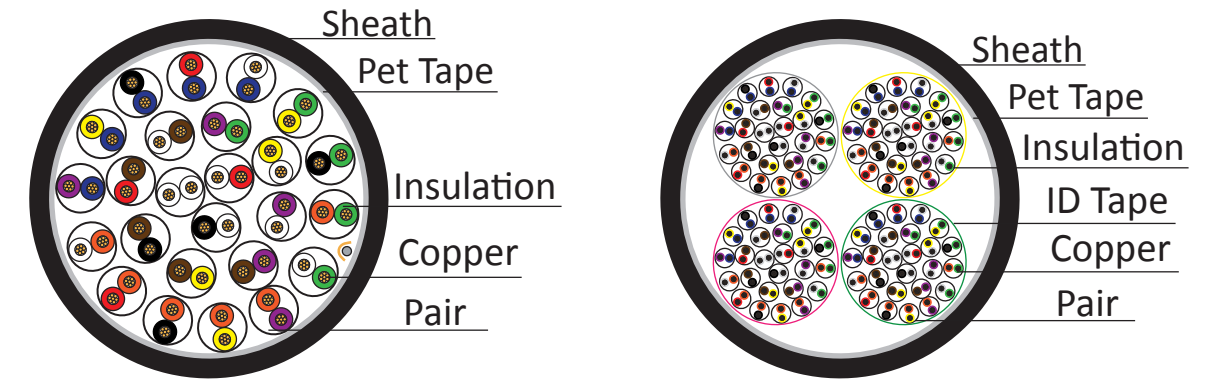
### Electrical Performance

Freq (MHz)	IL (dB)	NEXT (dB)	RL (dB)	ACR-N (dB)	ACR-F (dB)	PS NEXT (dB)	PS ACR-N (dB)	PS ACR-F (dB)
	Min.	Min.	Min.	Min.	Min.	Min.	Min.	Min.
1	3.0	65.0	19.0	62.0	65.0	62.0	59.0	62
4	3.0	63.8	19.0	60.8	59.9	60.5	57.5	56.9
8	3.0	58.9	19.0	55.9	53.9	55.6	52.6	50.9
10	3.0	57.3	19.0	54.3	52.0	54.0	51.0	49
16	3.0	53.9	18.0	50.9	47.9	50.6	47.6	44.9
20	3.0	52.3	17.5	49.3	45.9	49.0	46.0	42.9
25	3.2	50.7	17.0	47.5	44.0	47.3	44.1	41
31.25	3.6	49.1	16.5	45.5	42.1	45.7	42.1	39.1
62.5	5.1	44	16.0	38.9	36.0	40.6	35.5	33
100	6.5	40.5	16.0	34.0	32.0	37.1	30.6	29
200	9.3	35.3	14.3	26.0	25.9	31.9	22.6	22.9
250	10.4	33.6	13.4	23.2	24.0	30.2	19.7	21
300	11.5	32.3	12.7	20.8	22.4	28.8	17.3	19.4
400	13.3	30.1	11.6	16.8	19.9	26.6	13.2	16.9
500	15	27.9	10.7	12.9	18.0	24.8	9.9	15
600	16.5	25.7	10.0	9.2	16.4	22.7	6.2	13.4
1000	22	19.3	8.0	-2.6	12.0	16.5	-5.5	9
1500	27.7	13.9	8.0	-13.8	8.4	11.2	-16.4	5.4
2000	32.7	9.8	8.0	-22.9	5.9	7.3	-25.3	2.9

### Ordering Informations

Item	Description
101022	300 ft, Cat.8 STP Solid Bulk Cable .
101023	1000 ft, Cat.8 STP Solid Bulk Cable .

## Indoor Multipair Cable



### Applicable Standards

- ETL Listed CMR Type FTP
- C(ETL) listed FT4 FTP
- ETL Verified to TIA - 568-C.2, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

### Physical Characteristics

- Number of Conductor Pairs: 25
- Size: 24AWG
- Conductor Material: BC Copper
- Shield Material: None
- Rip Cord: Yes
- Insulation Material: HDPE
- Insulation Overall Diameter: 0.0354 in. ± 0.0002
- Insulation Average Thickness: 0.00787 in.
- Jacket: Flame Retardant PVC
- Outer Jacket Norm. O.D : 0.492 in. ± 0.0002 in.
- Outer Jacket Average Wall Thickness: 0.043 in. ± 0.0002 in.
- Nominal Weight: 138 lbs

### Mechanical Characteristics

- Temperature Rating Installation: -20°C to +75°C
- Temperature Rating Operating: -20°C to +75°C
- Tensile Strength: Before ≥ 13.8 Mpa
- Elongation: Aging ≥ 100%.
- Aging Condition: 100°C x 168 hours
- After ≥ 85% of unaged
- After ≥ 85% of unaged

### Electrical Characteristics

- Maximum Conductor DC Resistance @ 20°C: 9.38 Ω / 100 Meters
- Maximum DC Resistance Unbalanced @ 20°C: 5%
- Maximum Pair-to-Pair Ground Capacitance Unbalanced: 330 pF / 100 Meters
- Characteristic Impedance (1 ~ 350 MHz): 100 ± 15 Ω
- Mutual Capacitance: 5.6 nF / 100 Meters
- Maximum Delay Skew: ≤ 40 nS / 100 Meters

### Construction

Conductor	24 AWG Soft Plain Copper		
Insulation	Polyethylene with color marking on Primary cores to ease identification		
Sheath	PVC		
	25 Pairs	50 Pairs	100 Pairs
	11.5±1.0mm	15.0±2.0m	25.0±2.0mm

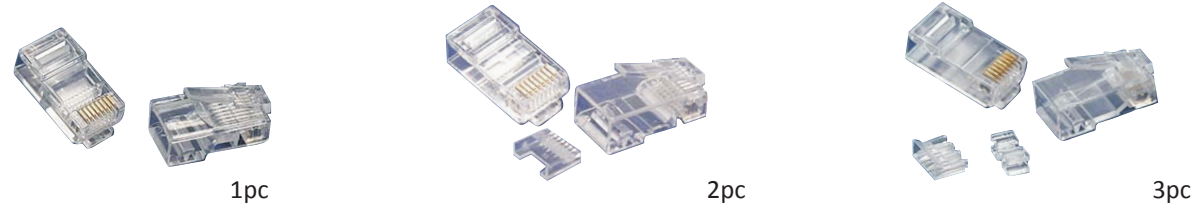
### Electrical Performance

Freq (MHz)	Attenuation (dB/100m)	Return loss (dB)	NEXT (dB)	PS-NEXT (dB)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	DELAY (ns/100m)	ACR (dB)
	Max.	Min.	Min.	Min.	Min.	Min.	Min.	
1	2.0	20	65.3	62.3	63.8	60.8	570	67.3
4	4.1	23	56.3	53.3	51.7	48.7	552	56.2
8	5.8	24.5	51.8	48.8	45.7	42.7	546.7	50
10	6.5	25	50.3	47.3	43.8	40.8	545.4	47.8
16	8.2	25	47.3	44.3	39.7	36.7	543	44
20	9.3	24.32	45.8	42.8	37.7	34.7	542	41.5
25	10.4	23.64	44.3	41.3	35.8	32.8	541.2	38.9
31.25	11.7	21.54	42.9	39.9	33.9	30.9	540.4	36.2
62.5	17.0	20.11	38.4	35.4	27.8	24.8	538.6	27.4
100	22	16.30	35.3	32.3	23.8	20.8	537.6	19.3

### Ordering Informations

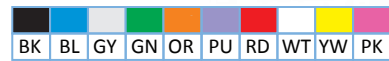
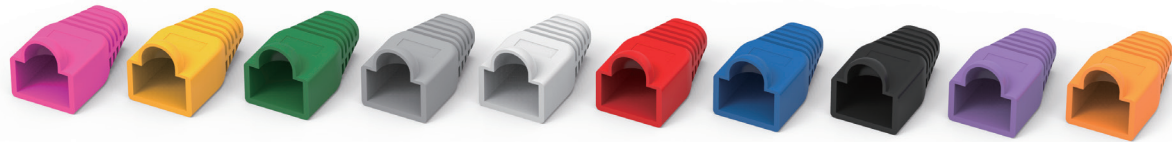
Item	Description	Color
100911	1000 ft, Cat 5E 25 Pair UTP Cable 24AWG CMR.	Gray

## RJ45 Modular Plugs, 100 pc/bag, Qty =1 bag



		Description	Item	
Cat.5E	UTP	Solid	6 Micron,1pc	101209
			50Micron,1pc	101204
			50Micron,2pc	101225
	Stranded	6 Micron,1pc	101201	
		50Micron,1pc	101203	
		50Micron,2pc	101224	
STP	Solid	50Micron,2pc	101227	
	Stranded	50Micron,2pc	101226	
Cat.6	UTP	Solid	50Micron,2pc	101402
		Stranded	50Micron,2pc	101228
	STP	Solid	50Micron,2pc	101230
		Stranded	50Micron,2pc	101229
Cat.6A	UTP	Solid	50Micron,3pc	101232
		Stranded	50Micron,3pc	101231
	STP	Solid	50Micron,3pc	101234
Stranded		50Micron,3pc	101233	
Cat.7	STP	Stranded	50Micron,3pc	101420

## Color Boots for RJ45 Plug,100 pvc/bag,Qty1=1bag



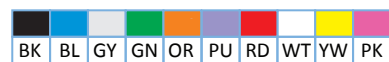
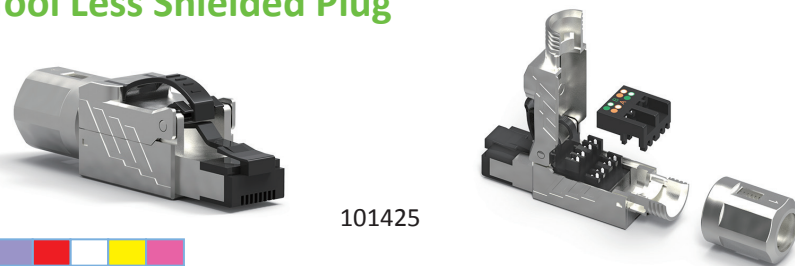
Item	Description
101301	Color Boots for RJ 45 Plug,pvc

## Cat.6 Toolless Re-Usable RJ45 Plug



Item	Description
101405	Cat.6 Toolless Re-Usable RJ45 Plug

## Cat.8 RJ45 Tool Less Shielded Plug



Item	Description
101425	Cat.8 RJ45 Tool Less shielded Plug

## Cat.5E/6 Surface mount Jacks



101919



103202



103205



101911



101917



101916



101912



101918



101921



101922

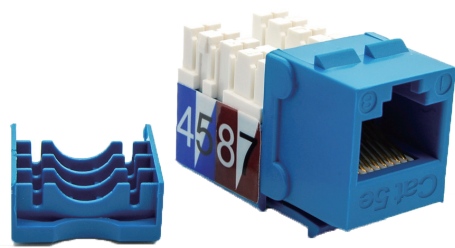
## Ordering Information



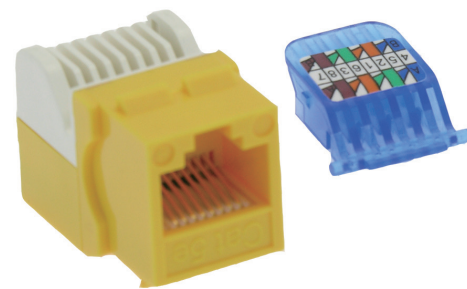
Item	Description
101919	1 Port RJ45 Surface Mount Box White (Box only)
103202	Surfacemount Box for Wall Plate White
103205	2-Port Industrial Watertight Surfacemount Box for Bulkhead RJ45
101911	1 Port RJ45 Surface Mount Box Ivory/White (Box only)
101921	Cat. 5E 2Port Surface Mount Box White w/Jack
101922	Cat. 6 2Port Surface Mount Box White w/Jack
101917	Cat.5E 1-Port Surfacemount Box White w/Keystone Jack
101918	Cat.6 1-Port Surfacemount Box White w/Keystone Jack
101912	2 Port RJ45 Surface Mount Box White (Box only)
101916	6 Port RJ45 Surface Mount Box White (Box only)



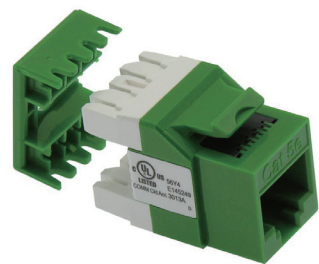
## Cat.5E Keystone Jack



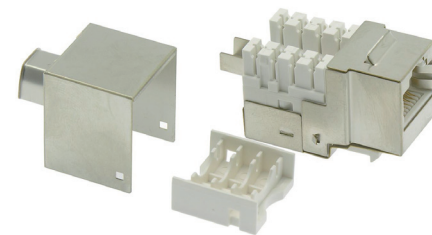
101602



101607



101601

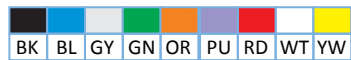


101608

### Specification

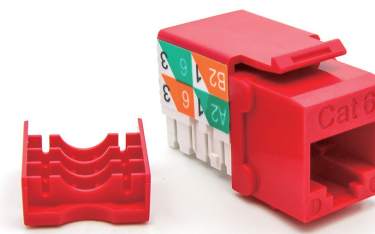
1. Housing Material: Self-extinguished plastic UL 94V-0 Insert Material: PC UL 94V-0 rated Contact Finished: 50 micro-inch gold over, Nickel 40 micro-inch, Color: White, Ivory, Blue, Orange, Red, Black	4. Operation Temperature: 10 °C to 80°C 5. Insertion Force: 900gms for 8 contacts 6. Retention Strength: 7.7 kgs between jack & plug 7. Durability: 750 cycles contact resistance test check every 100 cycles Insertion cycles at 20 cycles/minute max.
2. IDC Housing: Self-extinguished plastic UL 94V-0 IDC Terminal: Phosphor Bronze, nickel plated 50-60 micro-inch	8. Certifications: UL listed ; ANSI/TIA 568-C.2; FCC
3. P.C. Board: FR4, 1.8mm	

### Ordering Information



Item	Description
101608	Cat 5E RJ45 110 Type Shielded Keystone Jack
101602	Cat 5E RJ45 110 Type Keystone Jack
101607	Cat 5E Tool less Keystone Jack
101601	Cat 5E RJ45 110 Type 180° Keystone Jack

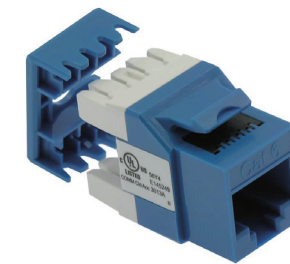
## Cat.6 Keystone Jack



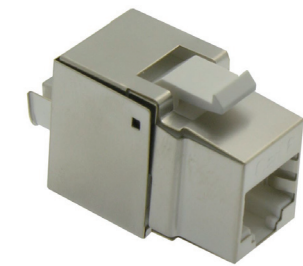
101702



101707



101701



101709

### Specification

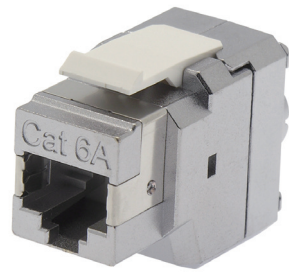
1. Housing Material: Self-extinguished plastic UL 94V-0 Insert Material: PC UL 94V-0 rated Contact Finished: 50 micro-inch gold over, Nickel 40 micro-inch, Color: White, Ivory, Blue, Orange, Red, Black	4. Operation Temperature: 10 °C to 80°C 5. Insertion Force: 900gms for 8 contacts 6. Retention Strength: 7.7 kgs between jack & plug 7. Durability: 750 cycles contact resistance test check every 100 cycles Insertion cycles at 20 cycles/minute max.
2. IDC Housing: Self-extinguished plastic UL 94V-0 IDC Terminal: Phosphor Bronze, nickel plated 50-60 micro-inch	8. Certifications: UL listed ; ANSI/TIA 568-C.2; FCC
3. P.C. Board: FR4, 1.8mm	

### Ordering Information

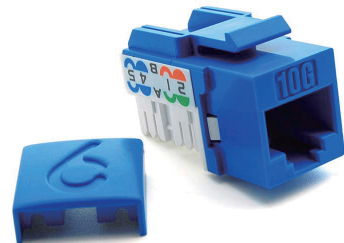


Item	Description
101702	Cat 6 RJ45 110 Type Keystone Jack
101701	Cat 6 RJ45 110 Type 180° Keystone Jack
101709	Cat 6 RJ45 110 Type Shielded Keystone Jack
101707	Cat 6 Tool less Keystone Jack

## Cat.6A Keystone Jack



101722

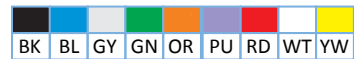


101723

### Specification

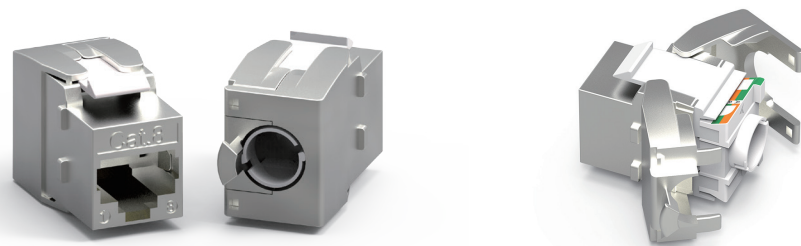
1. Housing Material: Self-extinguished plastic UL 94V-0	2. IDC Housing: Self-extinguished plastic UL 94V-0
Insert Material: PC UL 94V-0 rated	IDC Terminal: Phosphor Bronze, nickel plated 50-60 micro-inch
Contact Finished: 50 micro-inch gold over, Nickel 40 micro-inch, Color: White, Blue	3. P.C. Board: FR4, 1.8mm
	4. Operation Temperature: 10°C to 80°C

### Ordering Information



Item	Description
101722	Cat 6A 180 Degrees Shielded RJ45 Keystone Jack
101723	Cat 6A keystone Jack

## Cat.8 Shielded Keystone



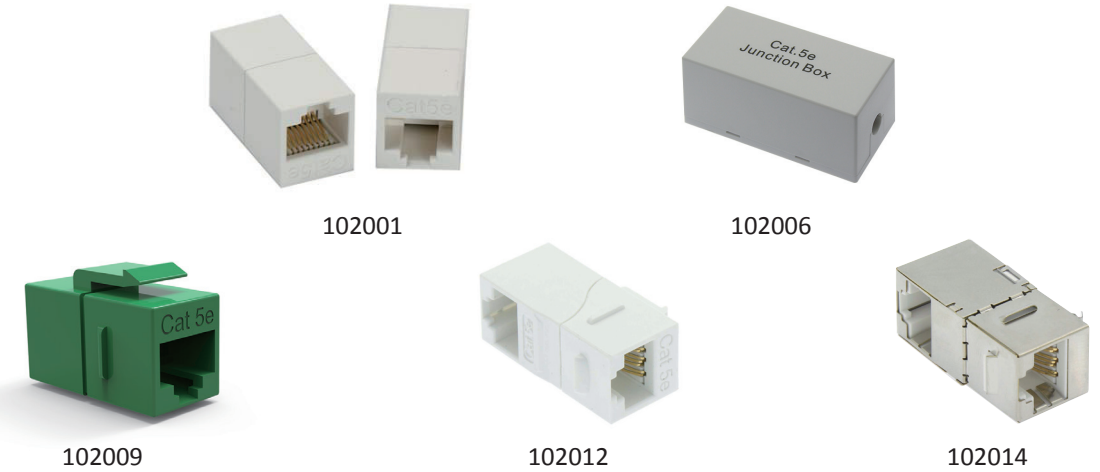
101725

### Ordering Information



Item	Description
101725	Cat. 8 Shielded keystone Jack

## Cat.5E Coupler



### Ordering Information



Item	Description
102001	Cat. 5E RJ45 Inline Coupler White
102002	Cat. 5E RJ45 Inline Crossover Coupler White
102003	Cat. 5E RJ45 Full Shielded Inline Coupler White
102006	Cat. 5E Junction Box, 110 Punch Down Type
102009	Cat. 5E Inline Coupler w/Keystone Latch
102012	Cat. 5E Right Angle Keystone Coupler White
102014	Cat. 5E STP Right Angle Keystone Coupler White

## Cat.6 Coupler

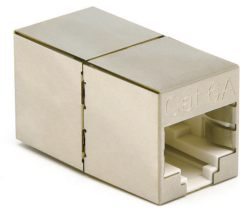


### Ordering Information

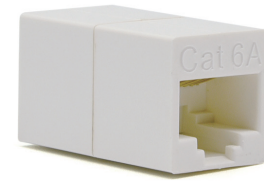


Item	Description
102004	Cat. 6 RJ45 Inline Coupler White
102007	Cat. 6 Junction Box, Punch Down
102010	Cat. 6 Inline Coupler w/Keystone Latch
102011	Cat. 6 RJ45 Full Shielded Inline Coupler
102013	Cat. 6 Right Angle Keystone Coupler White
102015	Cat. 5E STP Right Angle Keystone Coupler White

## Cat.6A Coupler



102017



102016

### Ordering Information

Item	Description
102016	Cat 6A 180 Inline Coupler White
102017	Cat 6A Shielded Inline Coupler

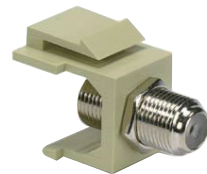
## Keystone Inserts



101806



101813



101812



101817

### Ordering Information



Item	Description
101806	Snap-in Keystone Wallplate Insert
101813	Snap-in BNC F/F Keystone Module
101812	Snap-in F Type F/F Keystone Module
101817	RAC F/F Keystone Module

## Cat.6 Industrial Panelmount Jacks



102050



102051



102052



101842



102054



101842

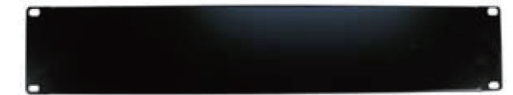
### Ordering Information

Item	Description
102053	Cat.6 RJ45 Shielded Industrial Panelmount Jack with Dust Cap
102050	Cat.6 RJ45 Shielded Industrial Panelmount Jack
102051	Cat.6 RJ45 Shielded Industrial Panelmount Bulkhead Coupler
102052	Cat.6 Shielded RJ45 Industrial Panelmount Bulkhead Coupler with Dust Cap
102054	Cat.6 Shielded RJ45 Outdoor Waterproof Coupler
101842	Patch Cable Waterproof Cap

## Space Patch Panel



102251



102252



102253



102254

### Ordering Information

Item	Description
102251	1 U Space Blank
102252	2 U Space Blank
102253	3 U Space Blank
102254	4 U Space Blank

## Blank Patch Panel



102189



102220



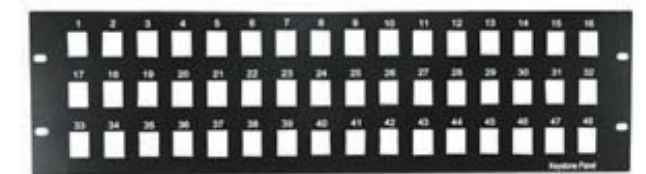
102221



102222



102223



102224

### Ordering Information

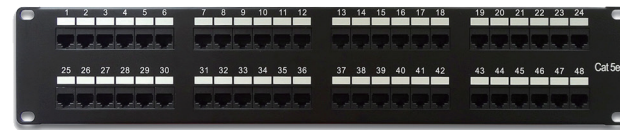
Item	Description
102189	1U 24port Cat 5E/6/6A STP Blank Patch Panel
102220	1U 19" 12port Blank Panel for Keystone Jack
102221	1U 19" 16port Blank Panel for Keystone Jack
102222	2U 19" 24port Blank Panel for Keystone Jack
102223	2U 19" 32port Blank Panel for Keystone Jack
102224	2U 19" 48port Blank Panel for Keystone Jack



## Cat.5E Patch Panel



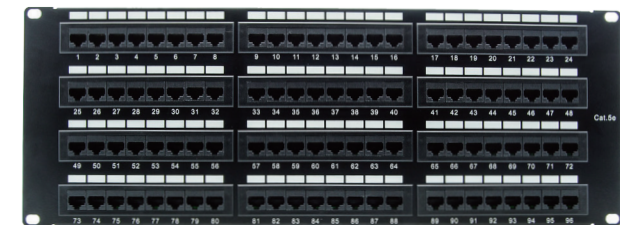
102195



102198



102196



102199



102197

### Applications

Category 5E high density Patch Panel in 12, 24, 48 and 96 ports, could significantly expand your capacity by space saving in the rack. For any cross - connect rack and HC networking rack in the data center or TR. It's the ideal design to achieve more flexible deployment available for end subscriber's expansion. The compact design saving physical space in rack and combines with its quality headroom margin performance, the panel is your ideal budget saving and competitive solution to others.

### Ordering Information

Item	Description
102195	Cat 5E 110 Type Patch Panel 12 port Vertical w/ bracket, Black
102196	Cat 5E 110 Type Patch Panel 12 port Rackmounted, Black
102197	Cat 5E 110 Type Patch Panel 24 port Rackmounted, Black
102198	Cat 5E 110 Type Patch Panel 48 port Rackmounted, Black
102199	Cat 5E 110 Type Patch Panel 96 port Rackmounted, Black

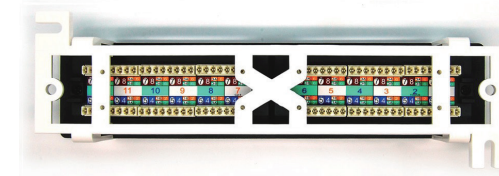
## Cat.6 Patch Panel



102190



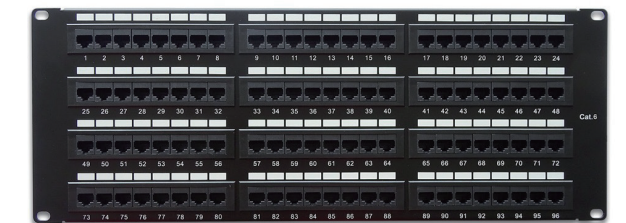
102193



102191



102192



102194

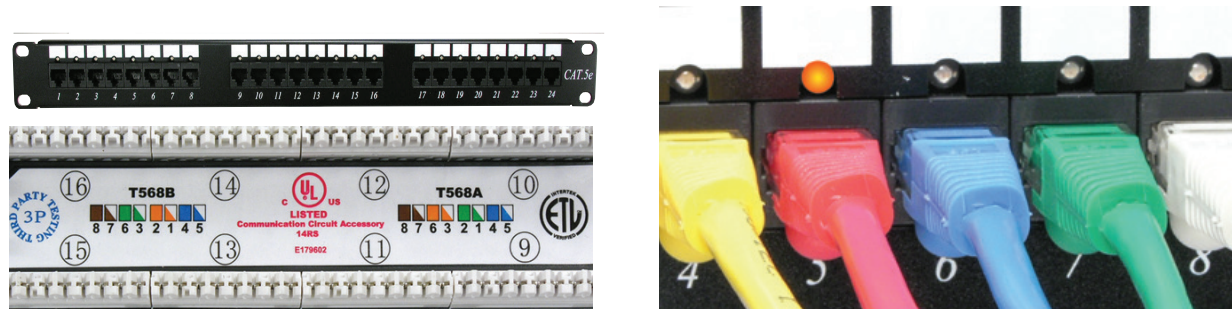
### Applications

Category 6 high density patch panel could significantly your capacity by space saving in the rack. For any cross - connect rack and HC networking rack in the data center or TR. It's the ideal design to achieve more flexible deployment and also anytime available end subscriber's expansion. The compact design saving physical space in rack and combine with its quality headroom margin performance, the panel is your ideal budget saving and competitive solution.

### Ordering Information

Item	Description
102190	Cat 6 110 Type Patch Panel 12 port Vertical w/ bracket, Black
102191	Cat 6 110 Type Patch Panel 12 port Rackmounted, Black
102192	Cat 6 110 Type Patch Panel 24 port Rackmounted, Black
102193	Cat 6 110 Type Patch Panel 48 port Rackmounted, Black
102194	Cat 6 110 Type Patch Panel 96 port Rackmounted, Black

## LED Patch Panel



### Features

1. Performance conforms to ANSI / TIA - 568 - C.2 ISO / IEC 11801 and EN 50173 - 1 Category 5e and 6 specification.
2. Supports T568 A and B Wiring and easy installation.
3. Terminate using 110 or Krone tools.
4. Backward compatible to Category 5e, 5, and 3.
5. IDC connector can accept 22 - 26 AWG solid and stranded cables.

### Approval

- ETL verified to ANSI / TIA - 568 - B.2 - 1 Permanent link
- ETL verified channel to ANSI / TIA - 568 - B.2 category 5e.

### Ordering Information

Item	Description
102228	Cat 5E 110 Patch Panel 48 Port Rackmount w/LED Indicator
102230	Cat 6 110 Patch Panel 48 port Rackmounted w/LED Indicator

## Shielded Patch Panel



102247

102188

### Ordering Information

Item	Description
102188	Cat 6 24 Port Shielded Patch Panel, Black
102247	Cat 5E 1U 48 Port Shielded Patch Panel

## Stainless Wall Plates



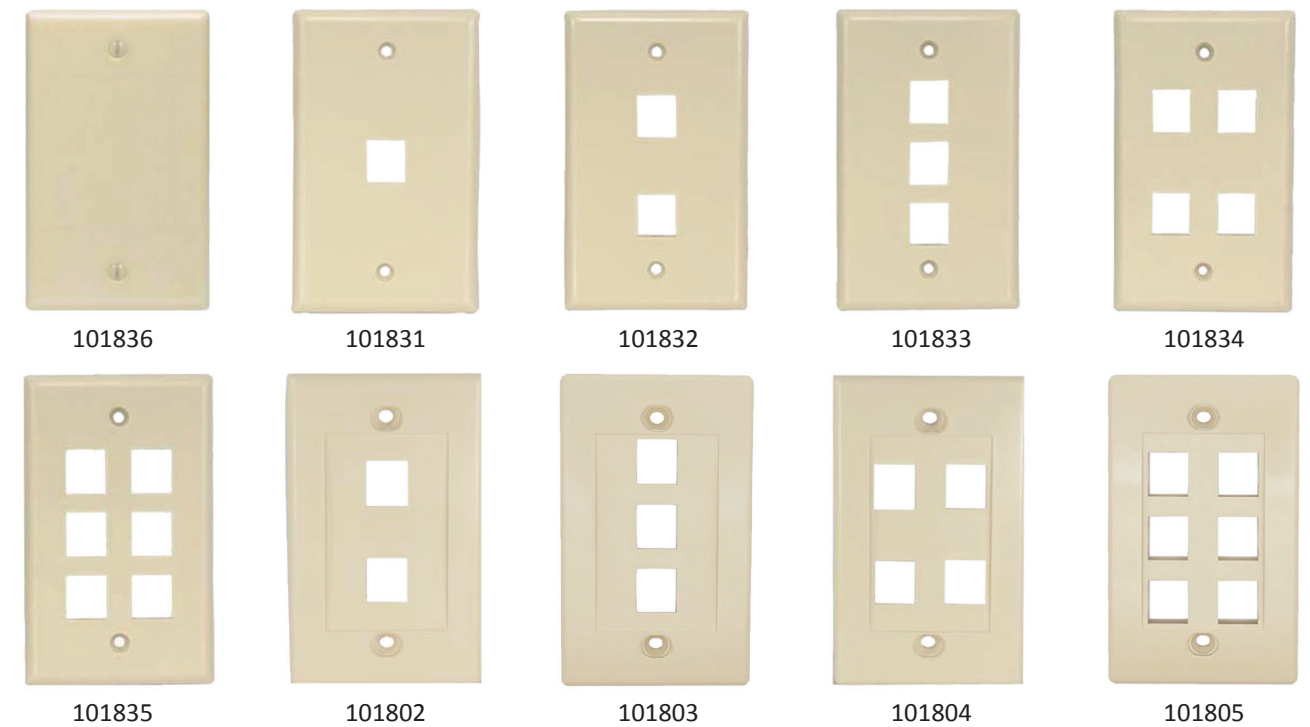
101840

101841

### Ordering Information

Item	Description
101840	1 Port Single Gang Stainless Steel Wallplate with-water Seal
101841	2 Port Single Gang Stainless Steel Wallplate with-water Seal

## Wall Plate



101836

101831

101832

101833

101834

101835

101802

101803

101804

101805

### Ordering Information

BK	IV	WT
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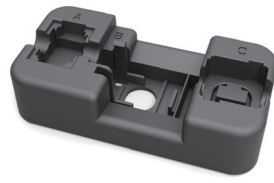
Item	Description
101836	Blank Wall Plate Smooth Face
101831	1 Port Keytone Wall Plate Smooth Face
101832	2 Port Keytone Wall Plate Smooth Face
101833	3 Port Keytone Wall Plate Smooth Face
101834	4 Port Keytone Wall Plate Smooth Face
101835	6 Port Keytone Wall Plate Smooth Face
101802	2 Port Keytone Wall Plate Decora Type
101803	3 Port Keytone Wall Plate Decora Type
101804	4 Port Keytone Wall Plate Decora Type
101805	6 Port Keytone Wall Plate Decora Type



## 66/110 Punch Down



250131



250109



250120



250121



250122

### Ordering Information

Item	Description
250131	110/66 Punch Down Tool With Hook & Extractor
250109	Keytone Jack Punch Down Stand
250120	Replacement Blade for 66 Type Punch Down Tool
250121	Replacement Blade for 110 Type Punch Down Tool
250122	Replacement Blade for 66/110 Type Punch Down Tool

## Compression Connector



250113



250128

### Ordering Information

Item	Description
250113	Compression Connector Tool
250128	Compression Connector Crimping Tool

## D-Sub



250100



250199

### Ordering Information

Item	Description
250100	D-Sub Pin Crimping Tool
250199	D-Sub Pin Insertion/Extraction Tool

## Cutter/Stripper



250112



250117



250118



250129

### Ordering Information

Item	Description
250117	6" Wire Stripper Plier, 22~10AGW(0.6~2.6mm)
250112	Coax Cable Stripper
250129	Coax Striper
250118	Coaxial Cable Cutter

## Tool Kits



252041



252020



252023



252018



252042



252015

### Ordering Information

Item	Description
252023	18 Pieces Compression Connector Tool Kit
252042	29PCS Precision Screwdriver Set
252041	34 Piece Computer Tool Kit
252018	35 Pieces Precision Screw Driver Set
252020	56 Piece Computer Tool Kit
252015	58 Piece Computer Tool Kit



## 4-Pair termination & Coax



252039



252132

### Ordering Information

Item	Description
252039	4-Pair Termination Tool for 90 Degree Keystone Jack for 101602 & 101702
252132	RG59/6 Ratchet Crimping Tool

## Anti Static Devices



252301



252302

### Ordering Information

Item	Description
252301	Anti Static Wrist Strap With Cord
252302	Anti Static Heel Grounder

## Modular Plug Crimp Tool



250102



250103



250101

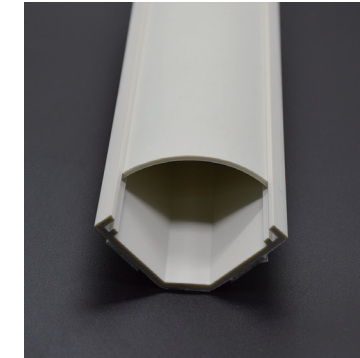
### Ordering Information

Item	Description
250102	6P6C (RJ12), 6P4C (RJ11) Modular Plug Crimp Tool
250103	8P8C (RJ45) Modular Plug Crimp Tool
250101	8P8C (RJ45)/6P6C(RJ12)/6P4C(RJ11) Crimp Tool w/Ratchet

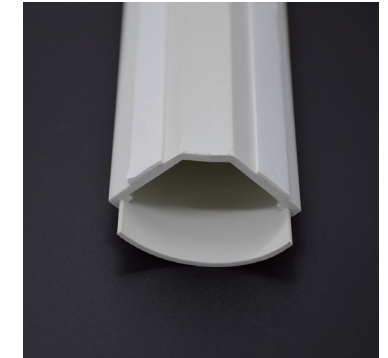
## Cable Duct Raceways



220932



220930



220931

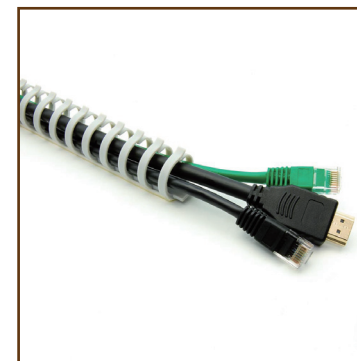
### Ordering Information

Design for commercial, industrial and residential applications to manage and hide cables located in corners or cables that drop from the ceiling to the floor, These smart cable managing solution not only keeps cables from damaging but also protects people from tampering and creates a safe environment.

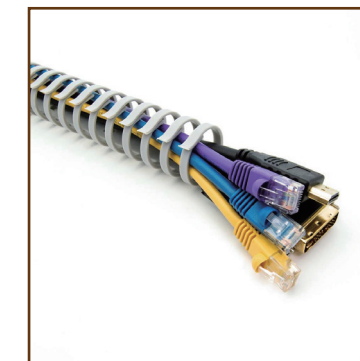


Item	Description
220932	Flat Cable Duct Cable Dual Raceway White (1000 x 76 x 19mm)
220930	5Ft Medium Corner Duct Cable Raceway White (W56 x H32mm)
220931	5Ft Small Corner Duct Cable Raceway White (W43 x H23mm)

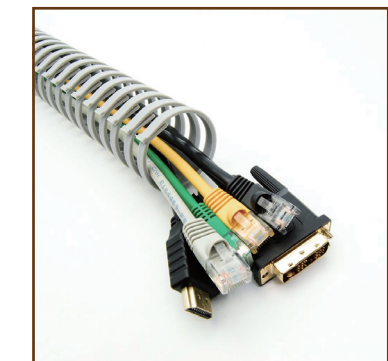
## Flexible Spiral Cable Holder



220933



220934



220935

### Ordering Information

These flexible spiral cable holders are a multiuse and economic cable management system simply put the cables trough and your cables will be safe from damage, each one of these cable protectors is 19.69" (500mm) but many more may be added to achieve the length needed. The adhesive pads can stick to almost any surfac

Item	Description
220933	Flexible Spiral cable holder 500 x 20 x 15mm
220934	Flexible Spiral cable holder 500 x 30 x 20mm
220935	Flexible cable holder 500 x 40 x 33mm

## Spiral Zip Wrap

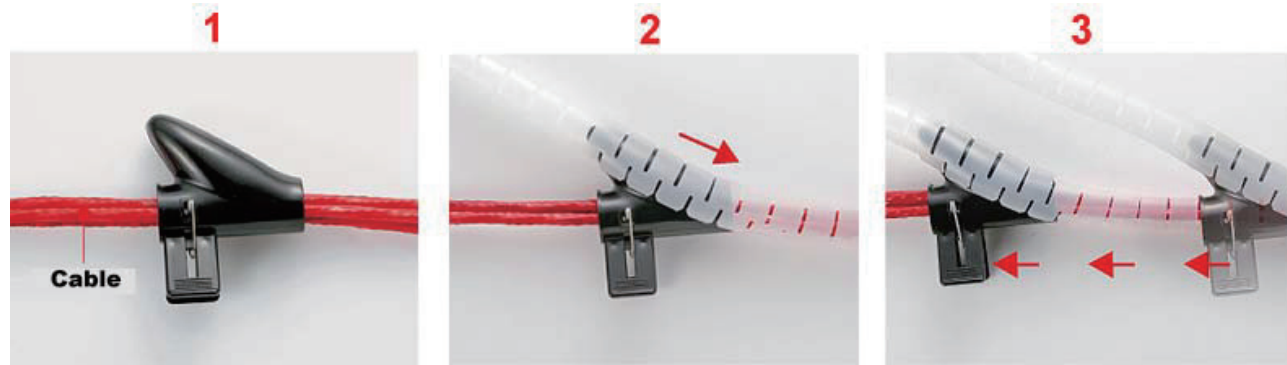


220750



220753

### Ordering Information



Item	Description
220750	Spiral Cable Zip Wrap Black 15mm x 1.5m (0.6" x 4.92Ft)
220751	Spiral Cable Zip Wrap Black 20mm x 1.5m (0.8" x 4.92Ft)
220752	Spiral Cable Zip Wrap Black 25mm x 1.5m (1" x 4.92Ft)
220753	Spiral Cable Zip Wrap Black 30mm x 1.5m (1.2" x 4.92Ft)

## Heat Shrink Tube Kit



220402



220403

### Ordering Information

Heat Shrink Tube Kit is a flexible polyethylene heat shrink tubing for a variety of electronic and electrical applications, great for general protection and insulation purpose, each kit is packaged in a plastic box. Color kit contains 196 pieces of 95mm (3.75") Cutting Length, and various diameters and colors.

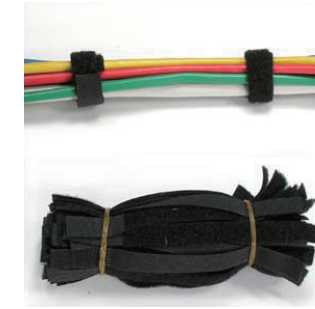
- Used for General Insulation Purpose
- Ultra Flexibility
- Material Polyethylene
- 2:1 Shrink Ratio
- Operating Range -55°C~125°C
- Start Shrink at 70°C
- ROHS,UL,halogen free

Item	Description
220402	Heat Shrink Tube Kit, Black (196pcs)
220403	Heat Shrink Tube Kit, Assorted Color (196pcs)

## Velcro Ties



220910



220901

### Ordering Information

Item	Description
220910	50Ft 0.8" Width Velcro Strap Tape
220901	6" Velcro Strap 1/2" Width Black, 50pc Pack
220902	9" Velcro Strap 1/2" Width Black, 50pc Pack
220903	12" Velcro Strap 1/2" Width Black, 50pc PackCT-5-END

## R-Type Cable Clamp



### Ordering Information

Item	Description
220301	R-Type Cable Clamp 1/8" Clear 100pk
220302	R-Type Cable Clamp 3/16" Clear 100pk
220303	R-Type Cable Clamp 1/4" Clear 100pk
220304	R-Type Cable Clamp 3/8" Clear 100pk
220305	R-Type Cable Clamp 1/2" Clear 100pk
220306	R-Type Cable Clamp 5/8" Clear 100pk
220307	R-Type Cable Clamp 3/4" Clear 100pk
220308	R-Type Cable Clamp 1" Clear 100pk

## Cable Tie Mount



### Ordering Information

Item	Description
220320	Cable Tie Mount 22mm Black/White 100pk



## Flexible Spiral Cable Holder



### Ordering Information

Item	Description
220904	A Velcro Cable Sock Black 85mm x 2m
220909	B Self Closing Cable Sock Black 1/2"(12.7mm) x 50Ft(15.24m)
220912	B Self Closing Cable Sock Black 1" (25.4mm) x 50Ft(15.24m)
220921	B Self Closing Cable Sock Black 1.5" (38.1mm) x 50Ft(15.24m)
220922	B Self Closing Cable Sock Black 2" (50.8mm) x 50Ft(15.24m)
220915	C Expandable Braided Cable Sock Black 1/2"(12.7mm) x 50Ft(15.24m)
220916	C Expandable Braided Cable Sock Black 1/2"(12.7mm) x 100Ft (30.48m)
220917	C Expandable Braided Cable Sock Black 1" (25.4mm) X 50Ft(15.24m)
220918	C Expandable Braided Cable Sock Black 1" (25.4mm) x 100Ft (30.48m)
220919	C Expandable Braided Cable Sock Black 2"(50.8mm) x 50Ft(15.24m)
220920	C Expandable Braided Cable Sock Black 2"(50.8mm) x 100Ft (30.48m)

## Nail-in Ties



### Ordering Information

Item	Description
220701	Nail-in Clip for RG59 Black/White 100 pack
220704	Nail-in Clip for RG6 Black/White 100 pack

## Cable Ties



Plain Ties

Marker Ties

Releasable Ties

Wall Mountable Ties

### Ordering Information

Item	Description
220900	600pc Cable Tie Kit
220101	4" Nylon Cable Tie 18lbs Black 100pk
220102	6" Nylon Cable Tie 40lbs Clear 100pk
220103	8" Nylon Cable Tie 50lbs Clear 100pk
220104	12" Nylon Cable Tie 50lbs Clear 100pk
220602	6" Releasable Cable Tie 40lbs 100pk
220603	8" Releasable Cable Tie 50lbs 100pk
220801	6" Wall Mountable Cable Tie Clear 100pcs
220802	8" Wall Mountable Cable Tie Clear 100pcs
220503	8" Marker Tie 100pk
220501	4" Marker Tie 100pk

## Cable Tie Gun



220907

220908

220906

### Ordering Information

You can wrap up all sorts of bundle with one cable tie bundler. No longer need to carry different length cable ties and cutter. The bundler holds an 15m (49ft) spool of strapping belt and a cartridge of strap locks. Just wrap up, tighten and cut with one tool. Flush cut-out-off of thies limits exposure to sharp edge. One 15m (49ft) belt and 100 strap locks include

Item	Description
220907	15m (49ft) Tie Belt Cartridge for 220906 Bundler
220908	Strap Lock for 220906 Bundler, 100pc
220906	Cable Tie Bundler with Refill Stral