

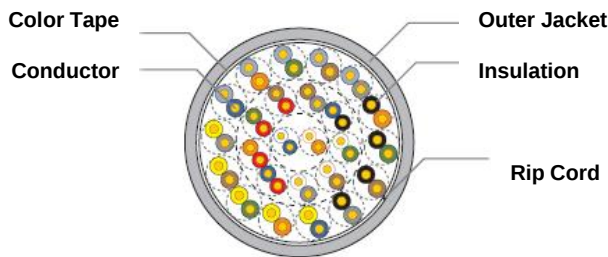
MULTI-PAIR CATEGORY 3 UTP CABLES

3

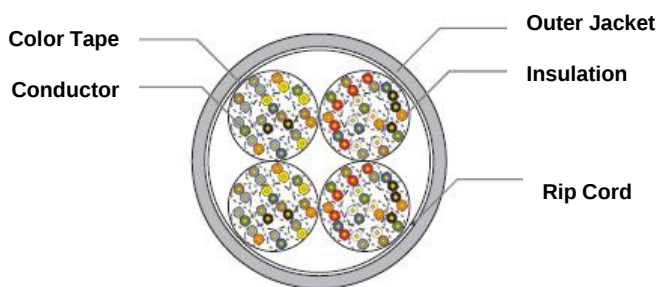
Siemon multi-pair UTP cables provide excellent electrical performance and dependable application assurance. Available in 25-, 50-, and 100-pair constructions, these cables are tested to 16 MHz and approved for all category 3 / class C or lower rated systems.



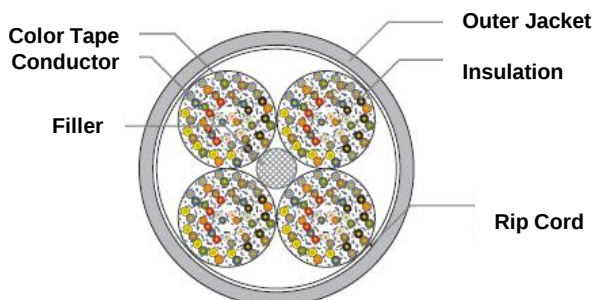
25-Pair



50-Pair



100-Pair



HIGHLIGHTS

- Meets or exceeds category 3 limits
- Balanced twisted pair, 24 AWG construction
- Overall Nominal Jacket O.D.
25-Pair = 11.5 mm (0.45 in.)
50-Pair = 16.0 mm (0.63 in.)
100-Pair = 25.0 mm (0.98 in.)
- Available in CM, CMR & LSOH jacket
- Ideal for voice grade applications.
- Performance tested to 16 MHz
- Supports all applications designed to operate over standards compliant category 3 or lower rated cabling systems.

COMPLIANCE

- ANSI/TIA-568-C.2, (Category 3)
- ISO/IEC 11801 Ed 2.2 (Class C)
- IEC 60603-7
- ANSI/ICEA S-90-661-2006
- c(UL)us Listed, type FT4
- RoHS
- 10BASE-T Ethernet; ISDN; T1; Voice
- IEC 60332-1
- UL 444

MULTIPAIR CATEGORY 3 UTP CABLES

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PRODUCT INFORMATION:

ELECTRICAL SPECIFICATIONS

DC Resistance	< 9.38 / 100m @ 20°C
DC Resistance Unbalanced	≤3% @ 20°C
Mutual Capacitance	≤6.6nF/100m @1kHz
Capacitance Unbalanced	≤ 330 pF/100m
Characteristic Impedance (ohms)	1-16 MHz: 100 +/- 15%
NVP	65%
Delay Skew	≤45ns/100m

PHYSICAL PROPERTIES

	25 – Pair	50 –Pair	100 –Pair
Pulling Tension	300 N	750 N	1200 N
Bend Radius (min)	90 mm	150 mm	200 mm
Installation Temperature	+5 to +40°C	+5 to +40°C	+5 to +40°C
Operating Temperature	-15 to +70° C	-15 to +70° C	-15 to +70° C

CABLE – International

TRANSMISSION PERFORMANCE (Worst Case Values/100m) TIA-568-C.2 Category 3 Compliant

Frequency (MHz)	Insertion Loss (dB/100m)	NEXT (dB)	PS NEXT (dB)	Structural Return Loss (dB)
0.772	2.2	43.0	43.0	--
1.0	2.6	41.3	41.3	12.0
4.0	5.6	32.3	32.3	12.0
8.0	8.5	27.8	27.8	12.0
10.0	9.7	26.3	26.3	12.0
16.0	13.1	23.2	23.2	10.0

Category 3 multi-pair cable 24 AWG UTP, CM, CMR or LSOH jacket:

9C3(X)25-E1Category 3, 25-Pair

9C3(X)50-E1Category 3, 50-Pair

9C3(X)100-E1Category 3, 100-Pair

Use (X) to specify jacket type

M = CM standard color gray

R = CMR standard color blue

L = LSOH standard color violet

Standard reel put-up 305 Meter (1000 ft).

Additional put-ups may be available upon request.

The Americas

Watertown, CT USA
Phone (1) 860 945 4200

Europe/Middle East/Africa

Surrey, England
Phone (44) 0 1932 571771

Asia/Pacific

Shanghai, P.R. China
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