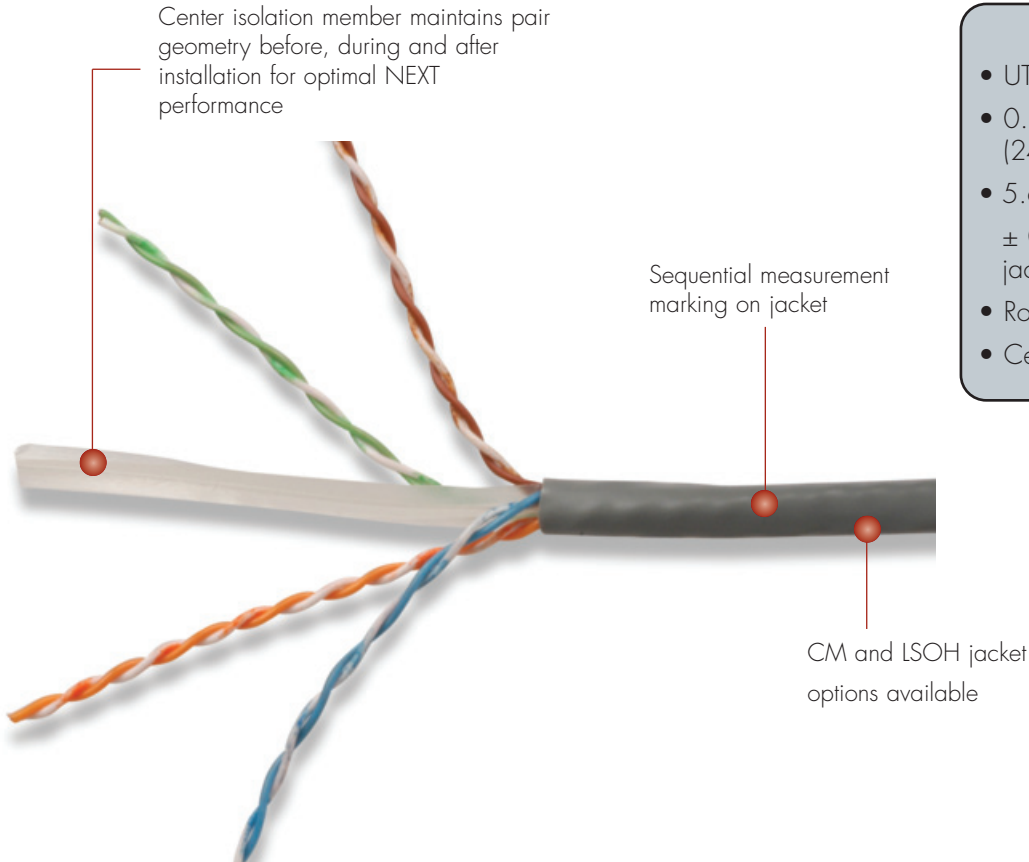
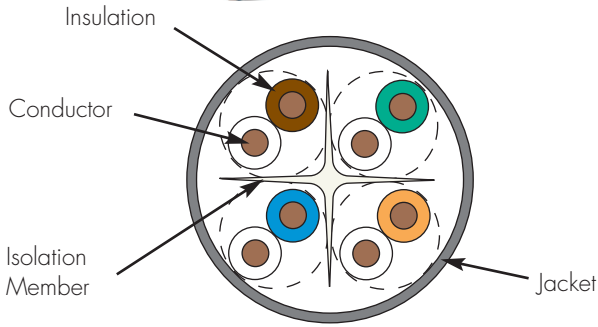


SOLUTION 6™ UTP CABLE- EMEA

Solution 6 cable meets all ANSI/TIA and ISO/IEC category 6/class E transmission performance specifications. Combine our high performance category 6 connectivity with Solution 6 cable and the result is a system designed for optimum applications support.



- Cable Construction**
- UTP
 - 0.515mm (0.023 in.) (24 AWG) solid bare copper
 - 5.6mm (0.22in) ± 0.2mm (0.008in) nominal jacket diameter
 - Round jacket
 - Center isolation member



- Compliance**
- ISO/IEC 11801:2002 (Category 6)
 - ANSI/TIA-568-C.2
 - IEC 61156-5:2002 (Category 6)
 - PVC: UL CM, IEC 60332-1
 - LSOH: IEC 60332-1, IEC 60754, and IEC 61034

PRODUCT INFORMATION

ELECTRICAL SPECIFICATIONS

DC Resistance	≤9.50 Ω/100m
DC Resistance Unbalance	≤2.5%
Mutual Capacitance	5.6 nF/100m
Capacitance Unbalance	<330 pF/100m
Characteristic Impedance (ohms)	1-100 MHz: 100 ± 15% 200-250 MHz: 100 ± 22%
NVP	65%
TCL	30-10 log(f/100) dB
Delay Skew	45ns

PHYSICAL PROPERTIES

	CM & LSOH
Pulling Tension (max)	80N (18 lbf)
Bend Radius (min)	25mm (1.0 in.)
Installation Temperature	5 to 60°C (41 to 140°F)
Storage Temperature	0 to 60°C (32 to 140°F)
Operating Temperature	-10 to 60°C (14 to 140°F)

TRANSMISSION PERFORMANCE

GUARANTEED WORSE CASE

SIEMON TYPICAL

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		ACR (dB)		PSACR (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)		Propagation Delay (ns)	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	2.1	1.7	75.3	102.5	72.3	95.4	73.2	100.8	70.2	93.7	68.0	99.6	65.0	92.4	20.0	27.8	570	508
4	3.8	3.6	66.3	93.5	63.3	87.6	62.4	89.9	59.4	84.0	56.0	86.9	53.0	79.0	23.0	29.5	552	504
10	6.0	5.8	60.3	90.1	57.3	81.2	54.3	84.3	51.3	75.4	48.0	78.3	45.0	70.5	25.0	33.4	545	499
16	7.6	7.4	57.2	83.4	54.2	77.1	49.6	76.0	46.6	69.7	43.9	74.6	40.9	67.7	25.0	33.8	543	498
20	8.5	8.3	55.8	81.0	52.8	75.5	47.3	72.7	44.3	67.2	42.0	70.3	39.0	63.7	25.0	34.5	542	497
31.25	10.7	10.5	52.9	82.1	49.9	74.1	42.1	71.6	39.1	63.7	38.1	65.1	35.1	59.4	23.6	33.1	540	497
62.5	15.5	14.9	48.4	72.3	45.4	65.4	32.9	57.5	29.9	50.6	32.1	57.5	29.1	52.0	21.5	32.6	539	496
100	19.9	19.1	45.3	70.5	42.3	64.6	25.4	51.3	22.4	45.5	28.0	58.8	25.0	51.6	20.1	34.6	538	495
160	25.7	24.4	42.2	67.9	39.2	61.0	16.5	43.5	13.5	36.5	23.9	51.4	20.9	42.9	18.7	33.5	537	495
200	29.1	27.3	40.8	67.9	37.8	61.7	11.6	40.6	8.6	34.4	22.0	50.8	19.0	43.8	18.0	32.9	537	494
250	33.0	31.8	39.3	66.6	36.3	59.0	6.3	34.7	3.3	27.2	20.0	47.6	17.0	40.1	17.3	32.5	536	494

All performance based on 100 meters (328 ft.).

Solution 6™ UTP 4-Pair Solid Cable:

9C6M4-E2PVC Gray Jacket, 305m (1000 ft) Reel-in-Box

9C6L4-E2.....LSOH, Violet Jacket, 305m (1000 ft) Reel-in-Box

Other cable lengths also available: Add "-5CR" for 500m (1640 ft.) Reel, "-1KR" for 1000m (3,281 ft.) Reel

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

North America
Watertown, CT USA
Phone (1) 860 945 4200 US
Phone (1) 888 425 6165 Canada

Europe/Middle East/Africa
Surrey, England
Phone (44) 0 1932 571771

Asia/Pacific
Shanghai, P.R. China
Phone (86) 21 5385 0303

Latin America
Bogota, Colombia
Phone (571) 657 1950