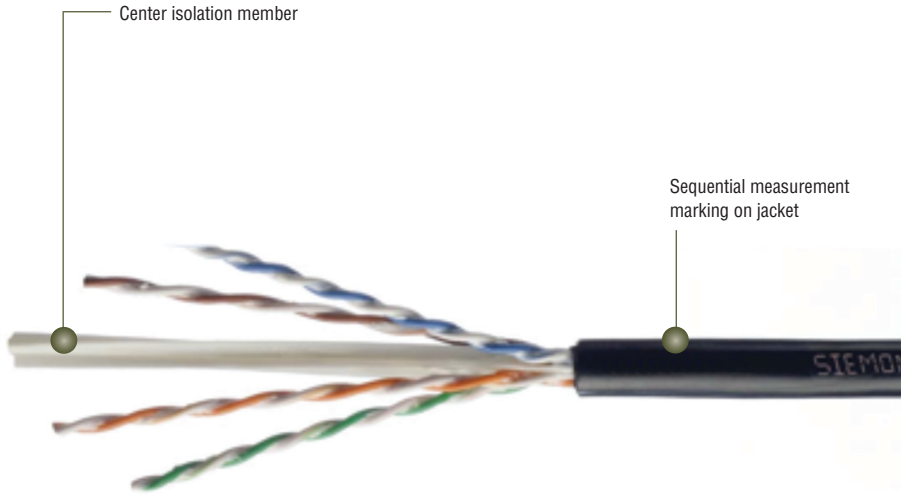


Solution 6[®] OSP UTP Cable (EMEA)

Siemon Category 6 compatible UTP Outside Plant (OSP) direct burial cable. Suitable for direct burial, aerial, and underground conduit applications

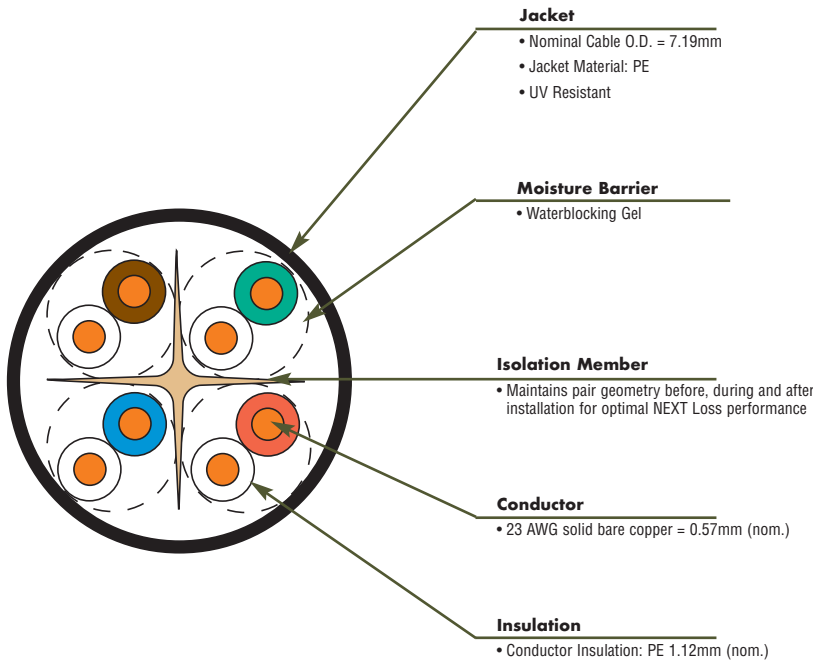


HIGHLIGHTS

- UTP, 4-pair
- Polyolefin Jacket, UV Resistant
- Gel filled (Non Conductive)
- Supports all applications designed to operate over category 6 or lower rated systems.
- RoHS
- Approved for use in direct burial, aerial and underground conduit applications

STANDARDS COMPLIANCE

- ANSI/TIA - 568.2-D
- IEC 61156-5 Ed 2.0
- ISO/IEC 11801-1 Ed 1.0
- EN 50173-1
- EN-50288-6-1
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- IEEE 802.3bt (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)



Product Information

ELECTRICAL SPECIFICATIONS

DC Resistance	<8.8 Ω/100m
DC Resistance Unbalance	5%
Mutual Capacitance	5.6 nF/100m
Capacitance Unbalance	<1500 pF/km
NVP	67%
TCL	30-10log(f/100)dB
Delay Skew	45 ns/100m
Propagation Delay	565 ns/100m @10 MHz Max

PHYSICAL PROPERTIES

Pulling Tension (max)	100N (25 lbf)
Bend Radius (min)	28.8mm (1.132 in.)
Installation Temperature	-15 to 50°C (-59 to 122°F)
Storage Temperature	-55 to 70°C (-131 to 158°F)
Operating Temperature	-55 to 60°C (-131 to 140°F)

TRANSMISSION PERFORMANCE



Guaranteed Worst Case:



Siemon Typical:

Based on data from a randomly selected cable sample.

Frequency (MHz)	Insertion Loss (dB/100)		NEXT (dB)		PS NEXT (dB)		ACR-N (dB)		PS ACR-N (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)	
	2.00	1.64	74.3	88.59	72.3	88.37	72.3	86.85	70.3	86.64	67.8	92.95	64.8	91.3	20.00	30.62
4	3.80	3.31	65.3	74.6	63.3	74.57	61.5	71.29	59.5	71.28	55.8	79.03	52.8	78.07	23.00	37.22
10	6.00	5.27	59.3	78.58	57.3	77.75	53.3	73.31	51.3	72.66	47.8	66.59	44.8	66.38	25.00	38.23
16	7.60	6.71	56.2	72.19	54.2	71.85	48.7	65.48	46.7	65.36	43.7	59.13	40.7	59.2	25.00	39.91
20	8.50	7.51	54.8	71.5	52.8	71.39	46.3	63.98	44.3	63.71	41.8	55.49	38.8	55.37	25.00	41.7
31.25	10.70	9.47	51.9	73.7	49.9	71.06	41.2	64.24	39.2	61.92	37.9	47.78	34.9	47.75	23.60	34.02
62.5	15.40	13.53	47.4	66.9	45.4	65.31	32.00	53.37	30.00	52.29	31.9	42.88	28.9	42.32	21.50	38.61
100	19.80	17.28	44.3	66.08	42.3	64.24	24.5	49.99	22.5	47.92	27.8	29.73	24.8	29.73	20.10	30.64
160	25.60	22.18	41.2	61.77	39.2	60.93	15.6	41.12	13.6	40.11	23.7	29.93	20.7	29.93	18.70	27.29
200	29.00	24.89	39.8	61.8	37.8	60.7	10.8	38.63	8.8	37.53	21.8	25.05	18.8	25.51	18.00	26.26
250	32.80	28.08	38.3	59.31	36.3	57.28	5.5	34.2	3.5	30.34	19.8	25.99	16.8	25.98	17.3	24.85

*Cable compliant to Category 6 requirements with the exception of propagation delay.

Ordering Information

CATEGORY 6 OUTSIDE PLANT DIRECT BURIAL 4-PAIR CABLE 23 AWG UTP (BLACK PE JACKET):

9C6O4-E2 305m Reel

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

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