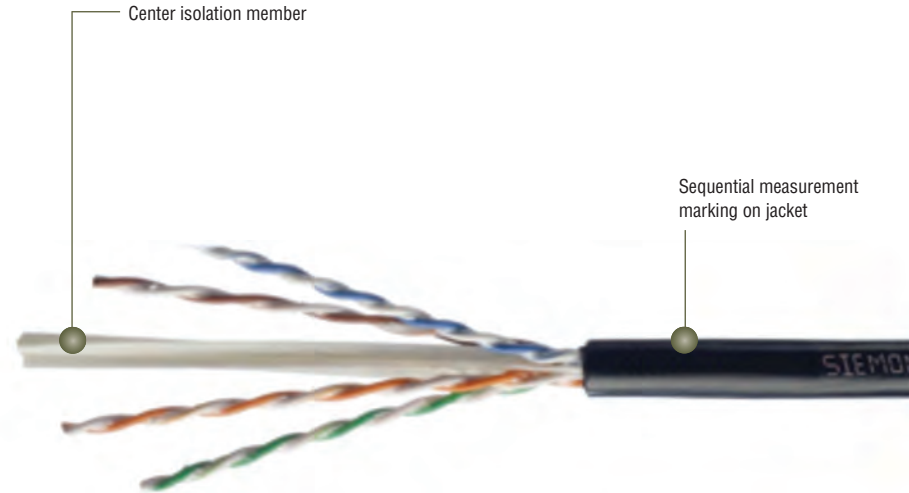


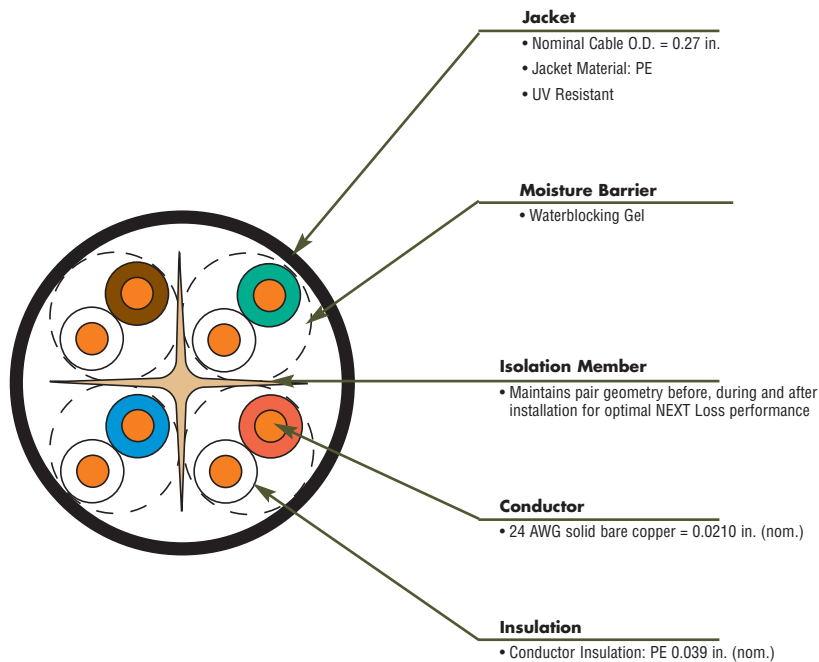
Solution 6® OSP UTP Cable (US)

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



HIGHLIGHTS

- UTP, 4-pair with rip cord
- Polyolefin Jacket, UV Resistant
- Gel filled (Non Conductive)
- Supports all applications designed to operate over category 6 or lower rated systems.
- RoHS



Product Information

ELECTRICAL SPECIFICATIONS

DC Resistance	<9.38 Ω /100m
DC Resistance Unbalance	5%
Mutual Capacitance	5.6 nF/100m
Capacitance Unbalance	<330 pF/100m
Characteristic Impedance (ohms)	1-100 MHz: 100 $\pm$ 15% 100-250 MHz: 100 $\pm$ 20%
NVP	63%
LCL	30-10log(f/100)dB
Delay Skew	$\leq$ 45ns
Propagation Delay	ns/100m) 565@10MHz

PHYSICAL PROPERTIES

Pulling Tension (max)	110N (25 lbf)
Bend Radius (min)	55mm (2.16 in.)
Installation Temperature	-36 to 60°C (-32 to 140°F)
Storage Temperature	-34 to 75°C (-30 to 167°F)
Operating Temperature	-34 to 60°C (-30 to 140°F)

TRANSMISSION PERFORMANCE



Guaranteed Worst Case:
Based on category 6 requirements from ANSI/TIA-568-C.2

Frequency (MHz)	Insertion Loss (dB/100m)	NEXT (dB)	PS NEXT (dB)	ACR-N (dB)	PS ACR-N (dB)	ACR-F (dB)	PS ACR-F (dB)	Return Loss (dB)
1	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20.0
4	3.8	65.3	63.3	61.5	59.5	55.8	52.8	23.0
10	6.0	59.3	57.3	53.3	51.3	47.8	44.8	25.0
16	7.6	56.2	54.2	48.7	46.7	43.7	40.7	25.0
20	8.5	54.8	52.8	46.3	44.3	41.8	38.8	25.0
31.25	10.7	51.9	49.9	41.2	39.2	37.9	34.9	23.6
62.5	15.4	47.4	45.4	32.0	30.0	31.9	28.9	21.5
100	19.8	44.3	42.3	24.5	22.5	27.8	24.8	20.1
160	25.6	41.2	39.2	15.6	13.6	23.7	20.7	18.7
200	29.0	39.8	37.8	10.8	8.8	21.8	18.8	18.0
250	32.8	38.3	36.3	5.5	3.5	19.8	16.8	17.3

*Cable compliant to Category 6 ANSI/TIA 568-C.2 with the exception of propagation delay.

Ordering Information

CATEGORY 6 OUTSIDE PLANT DIRECT BURIAL 4-PAIR CABLE 24 AWG UTP (BLACK PE JACKET):

9C6O4-E1. 1000 ft. Reel

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

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