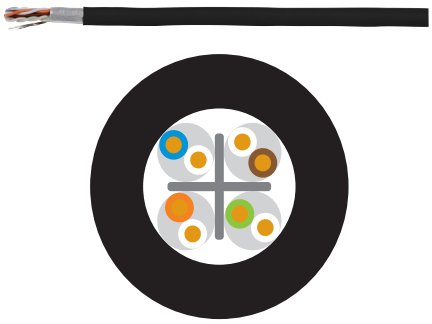
Leviton OSP Cat 6A UTP Cable

PART NUMBERS

Description	Part No.
Leviton OSP Cat 6A UTP Cable, black, 1,000 foot reel	UTPAO-MES

APPLICATION

Leviton OSP (Outside Plant) Standard Category 6A UTP cables are designed for outside applications, either aerial or buried in conduit or duct, where building to building interconnections must be made.



BENEFITS

- Can be used to interconnect buildings or can be run beneath a slab in duct or conduit
- Simplified structured cabling solution preserves long-term network investment
- Warranted, trouble-free cabling installation and maintenance

FEATURES

- Meets the requirements of ANSI/TIA-568.2-D
- Usable bandwidth up to 500 MHz
- Fully water blocked
- Meets NEC requirements for cable in wet locations

HIGH SPEED DATA AND POWER APPLICATIONS	
IEEE 802.3	1000BASE-T (1 Gb/s)
TIA/EIA-854	1000BASE-TX (1 Gb/s)
ATM	155 Mb/s
IEEE 802.3	100BASE-TX (100 Mb/s)
CDDI	100 Mb/s
IEEE 802.3	10BASE-T (10Mb/s)
IEEE 802.3	PoE Types 1, 2, 3, and 4

CONSTRUCTION

23 AWG bare copper wire insulated with polyethylene. Two insulated conductors twisted together to form a pair and four such pairs cabled around a cross filler to form the basic unit which is injected with a water resistant flooding compound and jacketed with UV resistant polyethylene jacket.

STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D Category 6A, ETL Verified
- ANSI/ICEA S-56-434, Standard for Polyolefin Insulated Communications Cables for Outdoor Use
- ANSI/ICEA 5-107-704-2012, PAR 8.2.1 - Water Penetration

FIRE RATING

Not Flame Rated

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/warranty

CHARACTERISTICS	
Color	Black
Dimensional characteristics	
Length per reel	1000.0 ft
Number of pairs	4
Usage characteristics	
Packaging	Reel
Category	Cat 6
Recommended installation temperature range	-40 .. 60 °C
Recommended operating temperature range	-40 .. 60 °C

COLOR CODE		
Pair-1	White/Blue	Blue
Pair-2	White/Orange	Orange
Pair-3	White/Green	Green
Pair-4	White/Brown	Brown

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TECHNICAL SPECIFICATIONS	
ELECTRICAL PROPERTIES (20° C ± 5° C)	
DC resistance	Max. 9.38 Ω/100 m at 20° C
Resistance unbalance	Max. 5% at 20° C
Mutual capacitance	Nom. 5.3 nf/100 m at 1kHz
Capacitance unbalance (pair to ground)	Max. 330 pf/100 m at 1kHz
Nominal velocity of propagation	64% nom.
Delay Skew	45 ns/100m max.

Transmission Characteristics to ANSI/TIA-568.2-D Cat 6A at 20° C (dB)

Freq. (MHz)	Attenuation Max.	RL Min.	NEXT Min.	PSNEXT Min.	ACRF Min.	PSACRF Min.	PSANEXT Min.	PSAACRF Min.
1	2.1	20.0	74.3	72.3	67.8	64.8	67.0	67.0
4	3.8	23.0	65.3	63.3	55.8	52.8	67.0	66.2
10	5.9	25.0	59.3	57.3	47.8	44.8	67.0	58.2
16	7.5	25.0	56.2	54.3	43.7	40.7	67.0	54.1
20	8.4	25.0	54.8	52.8	41.8	38.8	67.0	52.2
31.25	10.5	23.6	51.9	49.9	37.9	34.9	67.0	48.3
62.5	15.0	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
250	31.1	17.3	38.3	36.3	19.8	16.8	56.5	30.2
350	37.2	16.3	36.1	34.1	16.9	13.9	54.3	27.3
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	52.0	24.2

TECHNICAL DATA - PHYSICAL		
Conductor	23 AWG Bare Copper	
Conductor Diameter - in. (mm)	0.023	(0.58)
Insulated Conductor Diameter - in. (mm)	0.047	(1.19)
Cable Diameter - in. (mm)	0.355	(9.20)
Nom. Cable Weight - lb./kft (kg/kft)	50	(22.68)
Max. Installation Tension - lb. (N)	25	(110)
Min. Bend Radius - in. (mm)	1.42	(36.1)

For further support information, visit leviton.com/ns/support

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Leviton is dedicated to designing, developing and manufacturing sustainable high-performance structured cabling and speciality cabling solutions. Network Solutions products are available worldwide in over 100 countries. Visit us online to learn more.

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