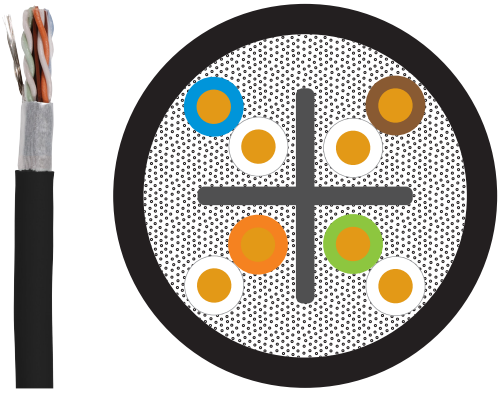
LEVITON
Network Solutions

OSP Cat 6A UTP Cable

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.



COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to Leviton.com/NS/Warranty

FEATURES & BENEFITS

- 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
- The OSP UTP cable is injected with a water resistant flooding compound and jacketed with UV resistant polyethylene jacket
- 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
- 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

STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D (Cat 6A)
- ANSI/ICEA S-56-434
- ANSI/ICEA 5-107-704-2012, PAR 8.2.1

FIRE RATING

Unlisted

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PRODUCT SPECIFICATIONS
UTPAO-MES

LEVITON
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TECHNICAL SPECIFICATIONS

Electrical properties (20 °C ± 5 °C)	
DC resistance	Max. 9.38 Ω/100 m
DC resistance unbalance	Max. 5%
Mutual capacitance	Nom. 5.2 nF/100 m at 1 kHz
Capacitance unbalance (pair-to-ground)	Max. 330 pF/100 m at 1 kHz
Delay skew	45 ns/100 m max.
Nominal velocity of propagation	64%

MECHANICAL SPECIFICATIONS

Dimensional Characteristics	
Length per reel	1000 ft (305 m)
Number of pairs	4
Usage Characteristics	
Category	Cat 6A
Type of cable	UTP
Temp. (Storage):	-40 °C to +60 °C
Temp. (Installation):	-10 °C to +50 °C
Temp. (Operating):	-40 °C to +60 °C

HIGH SPEED DATA AND POWER APPLICATIONS

IEEE 802.3	2.5/5GBASE-T (2.5/5 Gb/s), 1000BASE-T (1 Gb/s), 100BASE-TX (100 Mb/s), 10BASE-T (10 Mb/s)
IEEE 802.3bt	PoE Types 1, 2, 3, and 4

TECHNICAL DATA - PHYSICAL

Conductor	23 AWG bare copper	
Max conductor diameter - in. (mm)	0.023	(0.58)
Max insulated conductor diameter - in. (mm)	0.047	(1.19)
Nom. cable diameter - in. (mm)	0.355	(9.2)
Nom. cable weight - lb./kft (kg/km)	50	(22.68)
Max. installation tension - lb. (N)	25	(110)
Min. bend radius - in. (mm)	1.42	(36.1)

COLOR CODE

Pair 1	Blue	White
Pair 2	Orange	White
Pair 3	Green	White
Pair 4	Brown	White

PRINT LEGEND:
LEVITON OUTSIDE PLANT CAT 6A 4-PAIR 23 AWG UTPAO-MES ETL VERIFIED TO ANSI/TIA 568.2-D CAT 6A AND ISO/IEC 11801 CAT 6A TYPE CF SUNLIGHT RESISTANT [DATE] ~ [COUNTER] NVP 64% COUNTRY OF ORIGIN: UNITED STATES

For further support information, visit Leviton.com/NS/Support

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NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT LEVITON.COM/NS TO LEARN MORE.

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