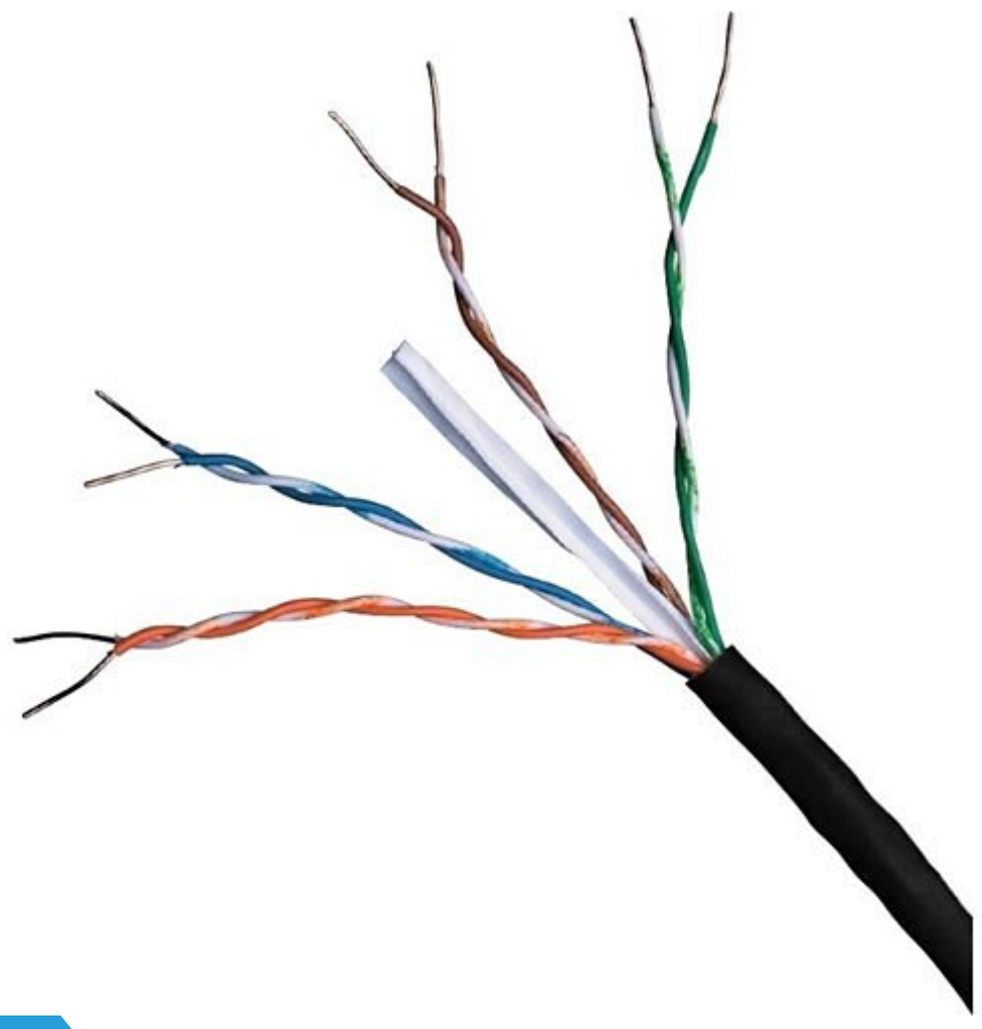
Opternet
LAN CABLE

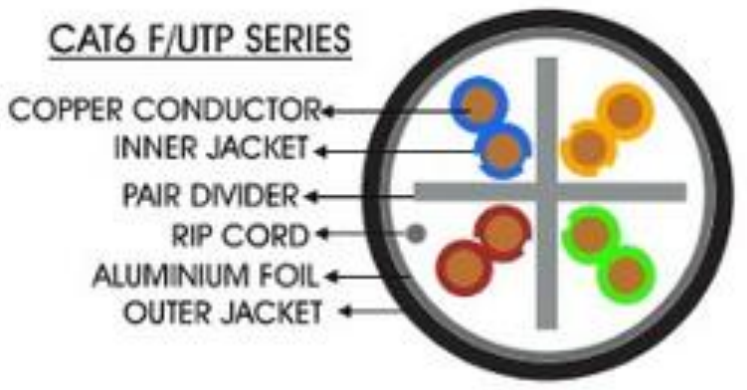


OPTERNET CABLES & WIRES

WWW.OPTERNETCABLES.COM

Opternet
LAN CABLE

CAT6PE23AWGUTPBC3904



CAT 6 F / U TP 23AWG OUTDOOR LAN CABLE

Opternet cables are the best twisted-pair cables in the market for transmitting data over local area networks (LANs). As streaming videos and multimedia over LAN are gaining popularity, users demand faster data transmission and reduce waiting time. Opternet cables are ideal for simple, cost effective and high speed transmission performance. They support a higher signal-to-noise ratio, providing better reliability for current applications and higher data rates for future applications. Opternet cat6 23awg 4 twisted pair F/UTP Network Cable 305m are Manufactured Tested and Complied with IEC 60332-1-2 EN 50173-1:2011 ISO/IEC11801:2011(Ed. 2.2) ANSI/TIA/EIA-568.2-D IEC61935- 2:2010(Ed.3.0) EN 50173-2:2007 including Amendment A1:2010 Requirements for Patch Cord Assemblies and Provide High Performance levels for structured cabling systems

PHYSICAL AND MECHANICAL PROPERTIES

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Basic Conductor	**Solid bare annealed copper**
Conductor Size	**23AWG / 0.56**
Insulation	**HDPE**
Number of Insulated Conductors	**8, Twisted In 4 Pairs**
Color Code of Pairs	**Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown**
Overall Screening	**Polyester-aluminum tape(foil face inward) providing 100% coverage**
Outer Jacket	**Heavy-duty, UV-resistant PE compound for outdoor use**
Standard Jacket Color	**Black**
Standard Surface Marking	**Includes Opternet P/N, cable description, Meter mark and Model Number**
Pulling Force	**100 N max**
Short Term Bend Radius	**6xOD (mm)**
Storage Temperature	**-20 TO +80°C**
Temperature Operating Range	**-20 TO +60°C**
Installation Temperature Range	**0 TO +50°C**

ELECTRICAL SPECIFICATIONS

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Characteristic Impedance	100±6 Ohm @1-100 MHz	Dielectric Strength	1500 Volt/1Minutes Min Rmx
DC Resistance	93 ohm/km max	Velocity of Propagation(NVP)	67 – 69%
Resistance Unbalance	2% max	Propagation Delay	534+ 36/f. Ns/100m max @ 1-300 MHz
Mutual Capacitance	5.6 pF/ 100m max @ 1KHz	Propagation Delay Skew	45 nS/100m max @ 1-300 MHz
Cap. Unbalance(wired To Ground)	1500 pF m max @1KHz	Insulation Resistance	5000 MOhm.m.min @ 500Vdc
Voltage Rating	72 Vdc max.	Coupling Attenuation	40 db min @ 30-100MHz 40-20log(f/100) @ 100 – 300 MHz
Transfer Impedance	10 mOhm/m max@ 1-10 MHz 30 mOhm/m max@ 30MHz		