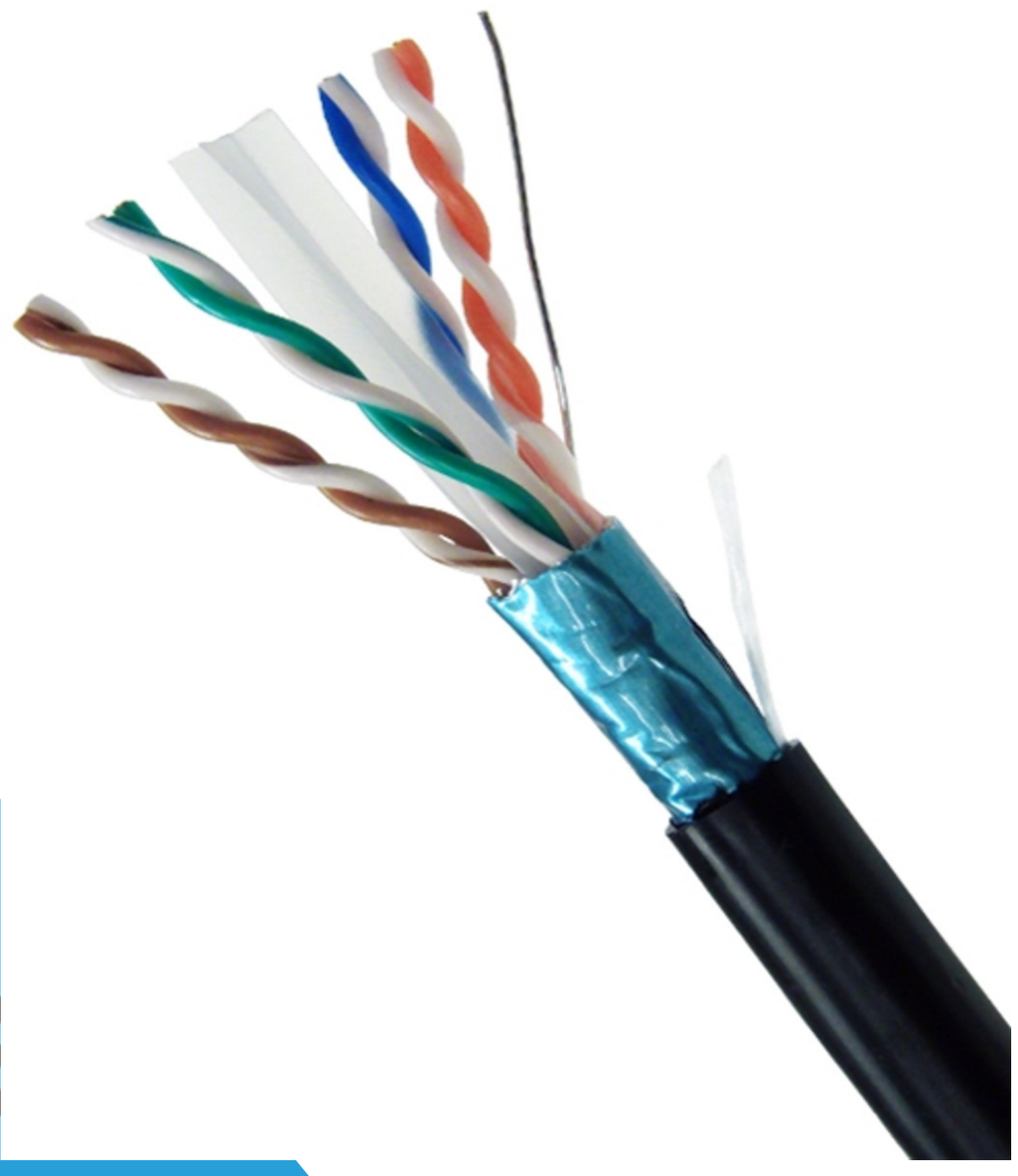
Opternet
LAN CABLE



OPTERNET CABLE & WIRES

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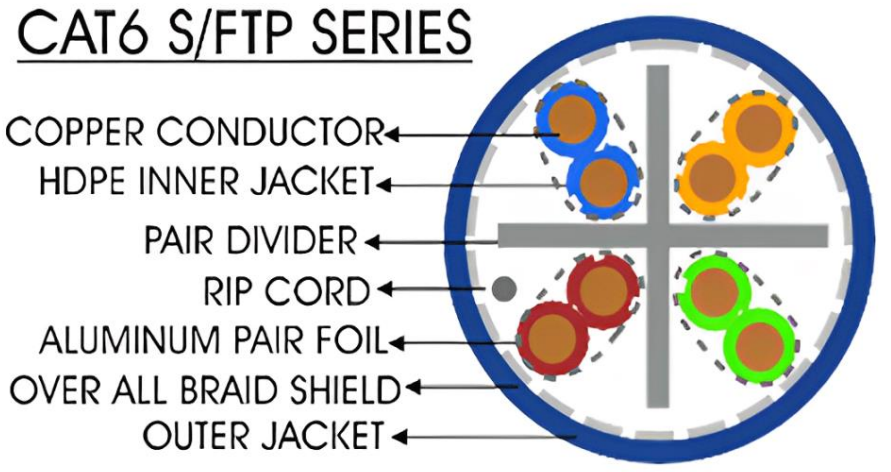

CAT 6 S/FTP 23AWG OUTDOOR LAN CABLE

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 S-FTP 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
Outer Jacket	LSZH Halogen free flame retardant or PVC compound
Individual pair shield	Laminated aluminum foil (foil face outward) providing 100% coverage.
Drain wire	tin-coated annealed copper
Overall shield	Polyester-aluminum tape providing 100% coverage.
Outer Jacket	LSZH Halogen free flame retardant or PVC compound
Standard Jacket Color	Black, Blue, Gray, Green, Orange, Red, Violet, White, Yellow, Aqua
Standard Surface Marking	Includes Opternet P/N, cable description, Meter mark and Model Number
Pulling Force	100 N max.
Short Term Bend Radius	9xOD (mm)
Storage Temperature	-20 to +BOC
Temperature Operating Range	-20 to +60C
Installation Temperature Range	IEC 60332-1

ELECTRICAL SPECIFICATIONS

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Characteristic Impedance	100±6 Ohm @1-250 MHz	Dielectric Strength	1500 Volt/1Minutes Min Rmx
DC Resistance	93 ohm/km max	Velocity of Propagation(NVP)	74 – 78%
Resistance Unbalance	2% max	Propagation Delay	534+ 36/f. Ns/100m max @ 1-300 MHz
Capacitance	56 pF/ m 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	85 db min @ 30-100MHz 85-20log(f/100) @ 100 – 250 MHz
Transfer Impedance	10 mOhm/m max@ 1-10 MHz 30 mOhm/m max@ 30 MHz		