CAT7

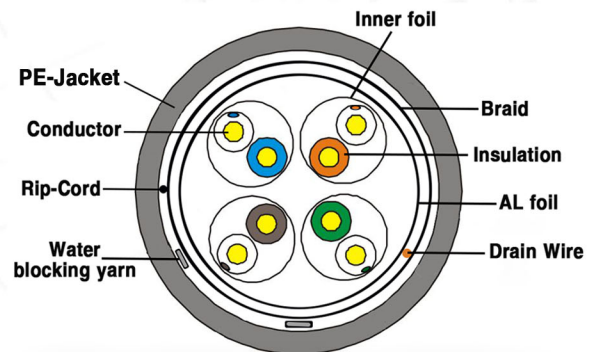## SF/FTP OUTDOOR

As in global markets, BlueStorm is no longer producing the unshielded twisted pair Cat7 LAN cable, but a shielded twisted pair cable, which is mainly suitable for the application and development of 10 Gigabit Ethernet technology. The Cat7 LAN cable has a transmission bandwidth of 600 MHz and a transmission rate of 10 Gbps. As for the specifications and the quality of the cable is in conformity with global standards.

BlueStorm added its own touches to the development of this product and improved its performance as it developed of its ability to resist environmental conditions such as in wet environments, hot weather and other physical factors. BlueStorm produces and develop the cables according to market need, either by adding chemicals in the form of gel to blocking water pass into the cable, Cooling of the conductors and controlled the heat or by adding of high-technology to stop water and moisture from the flow in the cable.

BS-OSFTP7-305M

Specification

Category	CAT7
Pair count	4P
AWG (mm)	23
Test Standard	ISO/IEC 61156-5;EN 50288-4, YD/T1019
Conductor material	SOLID-Bare Copper
Conductor Nom. O.D (mm)	0.58 ± 0.005
Insulation Material	PE
Insulation Diameter	1.35±0.05 mm
Inner shield material	AL Foil *4
shield material	AL Foil + Braid
Separator	No
Drain wire	Yes
Rip Cord	Yes
Sheath Thickness	0.75±0.05 mm
Sheath External O.D	7.9±0.5 mm
Sheath Material	PE
Sheath Color	Black
Packing	Wooden drum, cartoon
Packing length	305±1.5m

Electrical characteristics (20˚C)	1-100 MHz, Impedance(Ω)	100±15
	100-250 MHz, Impedance(Ω)	100±18
	250-600 MHz, Impedance(Ω)	100±25
	-1-500 MHz Delay (ns/100m)	≤ 25
	-Capacitance(pƒ/100m)max	≤ 330
	-DC Resistance (Ω/100m)max	9.5

Installation temperature	-20˚C ~ +70˚C

Features

-Standard supports up to 600MHz and speeds up to 10Gbp/s for 100 meters of cable
-Fully backward compatible with all the previous categories
-Operating Temperature: -20 to + 70°C
-weather resistant PE jacket
-Advanced water blocking technique
-cable length numeric printed every 1m for quick count
-Fluke test pass
-23AWG solid, pure bare copper conductors
-600MHz bandwidth
-Installation Temperature: -20 to 70°C
-Designed for use in 10GBase-T (10Gbps) network applications
-RoHS

Application

-10GBASE-T   Ethernet
-Indoor/outdoor Ethernet applications
-Power Over Ethernet (POE) application
-High-speed data Center
-High-speed network wiring project