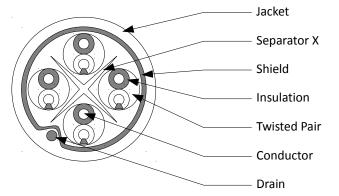


# **Product Specifications**

# Shielded Cat.6A Stranded Cable

#### **Construction Detail**



## Description

High-performance 500MHz cable for multi-gigabit applications

Applications	Voice, data, video distribution, security
Ethernet	10BASE-T, 100BASE-TX
	1000BASE-T, 10GBASE-T
Rated Temperature (°C)	75
Product Standard Certification	UL CM & CSA CM
Flame Test	FT4
Reference Standard	UL 444

### **Performance Characteristics**

Electrical (20°C)	
Max. Conductor DC Resistance ( $\Omega$ /km)	142
Min. Insulation Resistance ( $\Omega$ -km)	100M
Dielectric Strength (AC V/1 Min)	500
Mechanical	
Jacket	PVC
Before Tensile Strength (kgf/mm²)	≥1.05

### **Twisted Pair Insulation Colours**

P1	Blue	&	White/Blue
P2	Orange	&	White/Orange
Р3	Green	&	White/Green
P4	Brown	&	White/Brown

## **Physical Construction**

Conductor	4 pairs stranded copper
Size (AWG)	26
Strand Dia. (#)/(±0.008mm)	7/0.16
Total Dia. (mm)	0.48
Insulation	PE
Average Thickness (mm)	0.21
Insulation dia. (±0.05mm)	0.90
Shield	Aluminium/Polyester
Coverage (%)	≥125%
Drain Wire	Stranded Tinned Copper
Strand Dia. (#)/(±0.008mm)	7/0.16T
Jacket	PVC
Average Thickness (mm)	0.54
Outer Dia. (±0.2mm)	6.0

## Jacket Marking

Jacket Marking						
Legend:	[WXYZ]FT	=>	Length in Spool (e.g., 0100ft)			
	[SPACE]	=>	Three spaces			
E132276-A (UL) CM 75°C 4PR 26AWG [SPACE]						
CSA LL	54151-A CMG	75°C FT4	[SPACE]			
ETL&3P	VERIFIED TO	ANSI/TIA	-568-C.2 ISO/IEC 11801&EN			
EQ172 (	^AT CA	E /LITE FLE	/V71FT			

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