



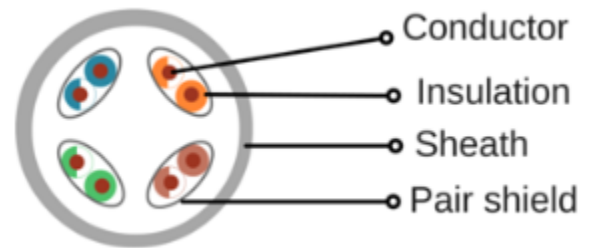
Category 6

24-AWG STP

Category 6 STP copper cable meets High performance ANSI/TIA/EIA 568B.2 compliant Category 6 STP cables for mission critical LAN applications or Structured Cabling Systems.

Cable Construction

Conductors:	24 AWG Standard
Insulation:	HD-PE
Color Coding:	Tight Lay System
Ratings:	CMG (CSA FT4), type CM (cUL) certified
Jacket:	PVC



Compliances

- UL / CSA Listed
- CM / CMG
- UL and ETL Listed
- ANSI / TIA / EIA568B.2 "Category 6 Enhance"
- ISO / IEC-11801
- NEMA WC 63.1

Technical Information

- Bandwidth: 550Mhz
- Conductors: 24AWG Solid, Copper
- Insulating: HD-PE, 1.00 +/- 0.02 mm, avg. 0.217 Ref
- Outer sheath PVC: 6.3 +/- 0.19 mm, avg. 0.68 Ref
- Armoring: Drain wire in contact with aluminum-mylar tape
- Standards: CMG (CSA FT4), CM type (cUL) certified
- Standards: UL / CSA Listed, CM / CMG, UL and ETL Listed ANSI / TIA / EIA568B.2 "Category 6 Enhance"; ISO / IEC-11801; NEMA WC 63.1



TIA/EIA Transmission Standards

Frequency	Att.	Pr-Pr	PS	Prop.	Delay	Return	Pr-Pr	PS
MHz	Solid	NEXT	NEXT	Delay ns	Skew ns	Loss	ELFEXT	ELFEXT
1	2	74.3	72.3	570	45	20	67.8	64.8
10	6	59.3	57.3	545	45	25	47.8	44.8
20	8.5	54.8	52.8	542	45	25	41.8	38.8
31.25	10.7	51.9	49.9	540.4	45	23.6	37.9	34.9
62.5	15.4	47.4	45.4	538.6	45	21.5	31.9	28.9
100	19.8	44.3	42.3	537.6	45	20.1	27.8	24.8
200	29	39.8	37.8	536.5	45	18	21.8	18.8
250	32.8	38.3	36.3	536.3	45	17.3	19.8	16.8

Features

- More flexible separator, optimum pair-to-pair & powersum crosstalk
- Matched impedance and maximum throughput
- Ease of handling
- Smaller, more compact package
- Decreased installation time

Applications

- 1000Base-T (IEEE 802.3z / ab)
- All other lower rate modes like 10BaseT, 100BaseT
- And many industrial communications protocols such as: RS485, and MODBUS-TCP, PROFIBUS / PROFINET, SERCOS III, etc.
- TP-PMD (ANSI X3T9.5))

Ordering Information

- Product Number: M6S-24BL/305
- No. of Pairs 4
- Diameter: 6.3 +/- 0.19 mm
- Jacketcolor: Blue
- Packaging: 1,000 feet Reel