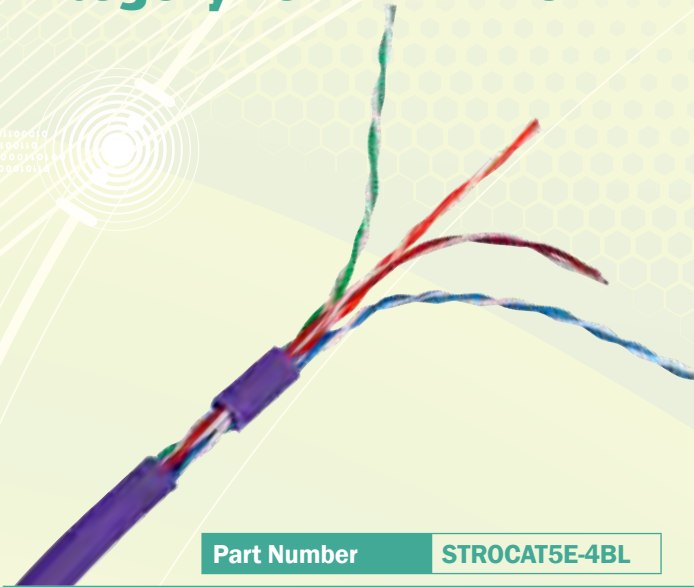
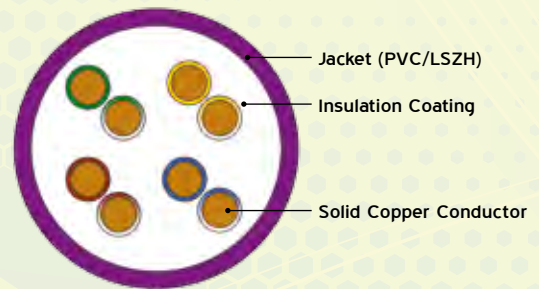


COPPER PRODUCTS

Category 5e UTP Cable



Part Number **STROCAT5E-4BL**



Category 5e unshielded (UTP) 100 Ohm cable is produced using 4 x 2 x 24 AWG copper wire structure to a class D standard. Supports a gigabit ethernet protocol for horizontal and backbone installations.

Features

- ▶ 24 AWG conductor – solid bare copper cable
- ▶ PVC and LSZH options
- ▶ 4x unscreened twisted pairs
- ▶ Supplied in 305m reel boxes
- ▶ Printed metre marks

Applications

- ▶ Supports category 5e (Class D) networks for running up to 1 gigabit ethernet
- ▶ Horizontal and backbone installations
- ▶ 10 Base T (IEEE 802.3)
- ▶ Token ring (IEEE 805.5)
- ▶ 100 Base T (IEEE 802.3U)
- ▶ ATM 155
- ▶ 100 VG any LAN (IEEE 802.12)

Conformance

- ▶ Category 5e
- ▶ ANSI/EIA/TIA 568B.2 : 2002
- ▶ ISO/IEC 11801:2002
- ▶ RoHs

Technical Specifications

FREQUENCY MHZ	ATTENUATION DB/100M	NEXT DB	PSNEXT DB	ELFEXT DB/100M	PSELFEXT DB/100M	RL DB
1.0	2.0	65.3	62.3	64.0	61.0	20.0
4.0	4.1	56.3	53.3	52.0	49.0	23.0
10.0	6.5	50.3	47.3	44.0	41.0	25.0
16.0	8.2	47.2	44.2	39.9	36.9	25.0
20.0	9.3	45.8	42.8	38.0	35.0	25.0
31.25	11.7	42.9	39.9	34.1	31.1	23.6
62.5	17.0	38.4	35.4	28.1	24.1	21.5
100.0	22.0	35.3	32.3	24.0	21.0	20.1

PHYSICAL	VALUE
Cable Weight	8.8kg / 305m
Outer Diameter	5.0mm
Sheath Colour	PVC Grey RAL7046 / LSZH Purple RAL4001
Fire Safety Rating	IEC60332-1
Smoke Index	LSZH IEC61034
Wire Diameter	24 AWG
ELECTRICAL	VALUE
Conductor Loop Resistance	9.5 Ohm / 100m
Dielectric Strength	DC 1.5kv Passed
Characteristic Impedance	100 Ohm
ENVIRONMENTAL	VALUE
Temp. Range	-20 to 50
Tensile Load	70N
Minimum Bend Radius	4 X OD
TRANSMISSION	VALUE
Propagation Delay	<45 20 ns/100m
NVP	68

Ordering Information

DESCRIPTION	PART NO
CAT5e UTP LAN cable PVC 305m Box - Grey	UTP5E305PVC
CAT5e UTP LAN cable LSZH 305m Box - Violet	UTP5E305LSZH