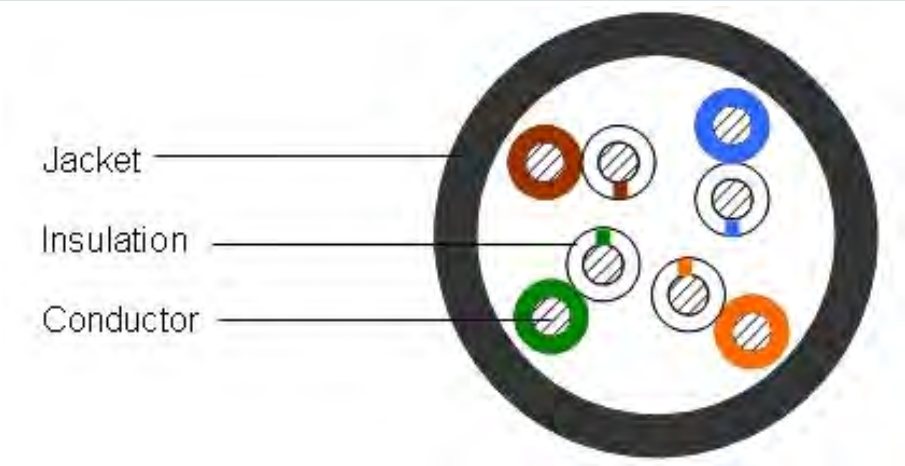# Product Specifications

COMMSCOPE®

884018114/10 | CS27R BLK C5E 4/24 U/UTP CPK 1KFT

ETL Verified Category 5e U/UTP Cable, non-plenum, black jacket, 4 pair count, 1000 ft (305 m) length, CommPak

Cross Section Drawing

Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Insulation Material	Polyolefin

Dimensions

Cable Length	305 m | 1000 ft
Cable Weight	18.80 lb/kft
Diameter Over Jacket	4.953 mm | 0.195 in
Jacket Thickness	0.508 mm | 0.020 in

Electrical Specifications

ANSI/TIA Category	5e
Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m
Delay Skew, maximum	15 ns
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	350 MHz
Transmission Standards	ANSI/TIA-568-C.2 | CENELEC EN 50288-3-1 | ISO/IEC 11801 Class D
Safety Voltage Rating	300 V
Dielectric Strength, minimum	1500 Vac | 2500 Vdc
Note	All electrical transmission tests include swept frequency measurements

Environmental Specifications

Product Specifications

Environmental Space	Non-plenum
Flame Test Method	CMR	UL 1666
Installation Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)

General Specifications

Cable Type	U/UTP (unshielded)
Pairs, quantity	4
Cable Component Type	Horizontal
Packaging Type	CommPak® box
Brand	CommScope®
Jacket Color	Black
Product Number	CS27R
Conductor Gauge, singles	24 AWG
Conductor Type, singles	Solid
Conductors, quantity	8

Mechanical Specifications

Pulling Tension, maximum	11 kg	25 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system