SHARKRACK CAT6 LSZH U/UTP CABLES

P/N: DCWC6UL305

Description

SHARKRACK Cat6 LSZH cable is designed for high-speed data transmission and maximum reliability. This premium cable is Low Smoke Zero Halogen and engineered to support all cat6 connections over extended distances, ensuring that your network remains fast and efficient even in demanding environments.

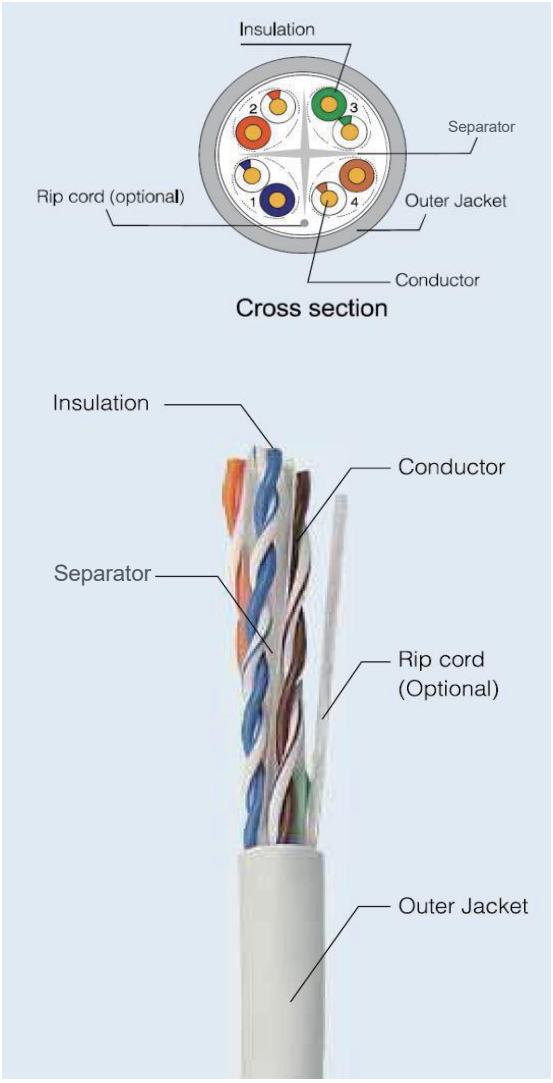
specifications

- Rated temperature: 75℃
- Reference standard: UL444, ANSI/TIA-568-C.2 ISO/IEC 11801,IEC 61156-5
- Oxygen free copper conductor
- Colour-coded PE insulation
- LSZH jacket

Application

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM
- Meets & exceeds Cat 6 component compliance guaranteeing transmission performance to 250MHz

Product Figure



Physical Characteristics

Structure	Construction	U/UTP
	Number of Pairs	4 Pairs
Conductor	AWG	Solid 23AWG
	Conductor material	Copper
	Conductor dimension	0.560±0.02 mm
Insulation	Insulation material	PE
	Insulation dimension	1.00±0.05mm
	Number colour (Stripe or pure marking)	1.White/Blue & Blue
		2.White/Orange & Orange
		3.White/Green& Green
		4.White/Brown & Brown
Cabling	Twisting lay length	≦30mm
	Cabling lay length	≦200mm
Separator	Separator Material	PE Separator
Binder	Binder material	N/A
Shield	Individual shield & material	N/A
	Primary overall shield & material	N/A
	Secondary overall shield & material	N/A
	Shield coverage approx	N/A
	Drain wire	N/A
Outer jacket	Jacket material	LSZH
	Jacket thickness nominal	0.50mm
	Overall nominal dimension	6.10 ±0.30 mm
	Jacket color	Per customer request
	Jacket rip cord	None
Mechanical characteristics	Operating temperature range	-20 ℃ ~ +75 ℃
	Bulk cable weight approx	39.0 kg/km
	Max. recommended pulling tension	110 N
	Min. bend radius (install)	4 x O.D.
	Outer jacket tensile strength	≧9.0MPa
	Outer jacket elongation	≧100%
	Outer jacket aging condition	100 ℃ x 168 hrs
	After aging,tensile strength	≧70% of Unaging
	After aging,elongation	≧50% of Unaging
	Cold bend (static)	No Crack (@ -20℃ x 4hrs)
Electrical Characteristics	Nom. mutual capacitance	≦5.6 nF/100m (@1kHz)
	Pair to ground capacitance unbalance	≦330 pF/100m
	Nominal velocity of propagation	66%
	Max. delay skew	45 ns/100m
	Max. conductor DC resistance	9.5 Ω/100m (@ 20 ℃)
	Max. conductor resistance unbalance	5% (@ 20 ℃) within a pair
	Min. insulation resistance	5000 MΩ.km
	Max. operating voltage - UL	300 V
	Dielectric strength	2,5 kV d.c. for 2 s
	(Conductor/conductor,	Or 1,0 kV d.c. for 1 min
	conductor/screen)	

V2024.1

SHARKRACK CAT6 LSZH U/UTP CABLES

P/N: DCWC6UL305

Cable Jacket Marking

PER CUSTOMER REQUEST	

Part Numbers Information

DCWC6UL305GR	SharkRack Cat6 Solid LAN Cable LSZH 305m Pull Box Grey
DCWC6UL305BL	SharkRack Cat6 Solid LAN Cable LSZH 305m Pull Box Blue
DCWC6UL305GN	SharkRack Cat6 Solid LAN Cable LSZH 305m Pull Box Green
DCWC6UL305RD	SharkRack Cat6 Solid LAN Cable LSZH 305m Pull Box Red
DCWC6UL305VT	SharkRack Cat6 Solid LAN Cable LSZH 305m Pull Box Violet
DCWC6UL305YE	SharkRack Cat6 Solid LAN Cable LSZH 305m Pull Box Yellow

Remark : Cable that meet the requirements of the template are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required to be measured for characteristic impedance.