

SF-UTP Cat 6 LSZH (IEC 60332-3C) (#6259)

Caleb Cable Caleb Cable Industrial Limited
Cable

Revision History

Part NO:RGW-2540-3	Price NO: RGW-03923
Prepared by:CXY	Date: 2017/02/09
Approved by:	Page: 1 of 1

Product Code: SF-UTP Cat 6 LSZH (IEC 60332-3C) (#6259)

Product Description

Application:

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
IEEE 802.3af-2002: POE; IEEE 802.3at: POE+

Reference Standard

ISO/IEC 11801: 2011; IEC61156-5:2009;
EN50173; EN50288; TIA-568-C.2:2009

Multi-construction

4 Pair

Cable Construction

1.Conductor	Bare Copper
Construction	0.52±0.01
2.Insulation	Soild PE
Insulation Dia.(mm)	1.02±0.08×2C Twist
Each Pair is Twisted ,Unshielded.	
3.Filler	Cross Member
4.Mylar Spiral	>=125%
5.AI-Pet Shield	>=125%
6.Braiding Shield	Tinned Copper
Construction(mm)	T0.10±0.008×16×6
Coverage	50±5%
7.Jacket	LSZH (IEC 60332-3C)
Dia.(mm)	7.20±0.20
Jacket Color	Black
Color	
Insulation color are:	
Blue, White/Blue	Orange,White/Orange
Green, White/Green	Brown, White/Brown

Marking(ink white,one per meter)

RG Wire & Cable #6259 Cat 6 SF-UTP 24 AWG 4 Pr E478021 (UL) CMR
LSZH 250 MHz [metermark]

Packaging

500M/Wooden Drum

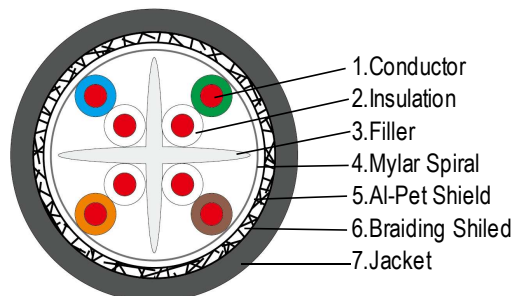
Label

RG Wire & Cable Ltd
SF/UTP Cat 6 24 AWG 4 Pr Black
500M
RoHS2(2011/65/EU)Compliant
6259 RG???? WWYY

Revise record:

RGW-2540-3 2017-02-09 Add Jacket Color,Makring and Lable

Design



Electrical Characteristics

Performance

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Return Loss (dB)
4.0	3.8	66.3	63.3	23.0
10.0	6.0	60.3	57.3	25.0
16.0	7.6	57.2	54.2	25.0
20.0	8.5	55.8	52.8	25.0
31.3	10.7	52.9	49.9	23.6
62.5	15.5	48.4	45.4	21.5
100.0	19.9	45.3	42.3	20.1
155.5	25.3	42.4	39.4	18.8
175.0	27.1	41.7	38.7	18.4
200.0	29.1	40.8	37.8	18.0
250.0	33.0	39.3	36.3	17.3

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
4.0	56.0	53.0
10.0	48.0	45.0
16.0	43.9	40.9
20.0	42.0	39.0
31.3	38.1	35.1
62.5	32.1	29.1
100.0	28.0	25.0
155.5	24.2	21.2
175.0	23.1	20.1
200.0	22.0	19.0
250.0	20.0	17.0

Max.Conductor DC Resistance at 20°C (Ω/Km)	<97.7
Insulation Resistance	700 - 1000V Min 2 MΩ
Screen Resistance (DC)	40Ω/km
Operating Temperature(°C)	-40 to 85
Transport Temperature(°C)	-40 to 70
Storage Temperature(°C)	-25 to 55
Velocity ratio	70%
Impedance(Ω)	1-100MHz 100±15 100-250MHz 100±20

Fire Performance: IEC 60332-3C and UL 444 CMR

Smoke Density: IEC61034

Halogen Free: IEC60754

