

#2203 4 Pair 30 AWG Screened LSZH UL 444



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Part NO: #2203
Product Code:RGW-1539-2

Product Description

Application:

HALOGEN FREE SCREENED SYMMETRICAL CABLE FOR INDOOR USE

Multi-construction

4Pairs

Construction

4Pairs
Construction **Silver Plated Copper**
SPC0.25±0.008
Insulation **HDPE**
Thickness(mm) 0.13
Insulation Dia.(mm) 0.52±0.03×2C twist
Insulation Color See the table 1

Al-Pet-Al shield **≥115%**

Braiding **Tinned Copper**
Construction(mm) T0.10±0.003×16×4
Braiding coverage 60%

Jacket **LSZH**
Nom.Thickness(mm) 0.37
Min.Thickness(mm) 0.25
Dia.(mm) 3.40±0.4
Jacket Color BLACK

PACKAGING

500M/Wooden Drum

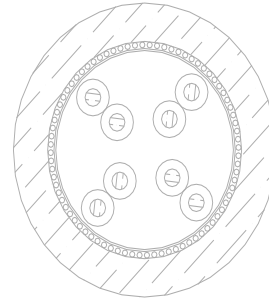
Marking (white ink;)

RG Wire & Cable #2203 E478021 UL CM 4 Pair
30 AWG 75 C VW-1 IEC 60332-1-2 001m.....500m
Bending Radius Min 20mm
Pulling Force Max 20N
Fire Propetries UL 1685 CM
UL 1581 VW-1
IEC 60332-3-C
IEC 60332-1-2

Revision History

Rev 6 VW-1 Flame test compliance

Design



Electrical Characteristics

Max.Conductor DC Resistance at 20°C (Ω/Km)	<360
Rated Temperature(°C)	-40 to +75
Rated voltage(V)	100
Min.Insulation DC Resistance at 20°C (MΩ*KM)	5000
Dielectric strength (conductor-conductor)	2.5kV DC 2 sec
Dielectric strength (conductor-shield)	2.5kV DC 2 sec
Capacitance Unbalance @ 1KHz (pF/500m)	150 Max
Capacitance mutual(pF/m)	52
Characteristic impedance(Ω)	100±10
Resistance Screen	Max 40 mΩ/m
Transfer Impedance @ 30 MHz	Max 10 mΩ/m
Screening Attenuation 30-100 MHz	Min 50 dB
Attenuation 1-100MHz(dB/100m)	Max 6*/(f/fo)
Return Loss 4 - 10 MHz	18+5*log ₁₀ (f/fo)
10 - 20 MHz	23 dB
20 - 100 MHz	23-7*log ₁₀ (f/fo*20)
Near End Crosstalk NEXT 1 -100 MHz(dB)	54-15*log ₁₀ (f/fo)
Far End Crosstalk ELFEXT 1-100 MHz (dB/100m)	57-20*log ₁₀ (f/fo)
Velocity of Propogation 4 - 100 MHz	Min 0.18 Gm/s
Delay Skew 4 - 100 MHz	Max 0.45 ns/m
Amount of Acid Gas (IEC 60754-2)	Max 1%

Table 1

Pair NO:	Color	
	A	B
1	white / blue	blue
2	white / Orange	orange
3	white / green	green
4	white / brown	brown

RoHS GUIDELINE

We operate according to the following standards

Control Item	Standard	Testing Method	Testing Equipment
Cadmium content (Cd)	<0.01%	EN1122	ICP-AES
Lead content (Pb)	<0.1%	EPA3050B	ICP-AES
Mercury content (Hg)	<0.1%	EPA3052	ICP-AES
Chromium (VI) content	<0.1%	EPA3060(UN-VIS)	ICP-AES
Polybrominated Biphenyls(PBB)	Forbidden	GC/MS	
Polybrominated Diphenyl Ether (PBDE)	Forbidden	GC/MC	

Date: 2016-08-31

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