

1301 TEL 301 6029-004 (CBL-VLX-042)

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Revision History

Part NO: RGW-2270-6	Price NO:
Prepared by: CXY	Date: 2017/9/8
Approved by:	Page: 1 of 1

Product Code: 1301 TEL 301 6029-004 (CBL-VLX-042)

Product Description

Application:
Multi-conductor-audio,control.& Instrumentation Cables.

Reference Standard
Customer's sample spec.and the general standard

Multi-construction
4Pair

Cable Construction

1.Conductor	Tinned Copper
Construction	T0.32±0.01
2.Insulation	HDPE
Insulation Dia.(mm)	0.64±0.05×2C Twist
Insulation Color	See the table 1
3.Mylar Spiral	>=125%
4.AL-Pet-AL shield	>=125%
5.Braid Shield	Tinned Copper
Construction(mm)	T0.10±0.005×8×6
Coverage Area(%)	50±5%
6.Jacket	LSZH
Thickness(mm)	0.4
Dia.(mm)	4.00±0.40
Jacket Color	Black

Marking
RG Wire & Cable #3689 E478021 (UL) CM 4 Pair 28 AWG 75C [MM]

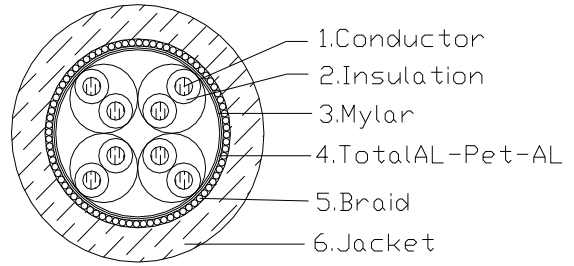
PACKAGING
500M/Wooden Drum.

Label
RG Wire & Cable Ltd #3689 500M RoHS2(2011/65/EU)Compliant #3689 RG???? (WW/YY)

Revise record
RGW-2270-6 2017-9-8 Revise Electrical Characteristics



Design



Electrical Characteristics

Max.Conductor DC Resistance at 20°C (Ω/Km)	245
Screen Resistance	36
Rated Temperature(°C)	-20 to +75
Operating Voltage(V)	100
20°C Insulation Resistance(MΩ.KM)	5000
Bending radius(mm)	24
Characteristic Impedance 1-100MHz(Ω)	100±15
Min. Dielectric Strength	
Cond-Cond.	2.5kV DC 2 sec
Cond-shield	2.5kV DC 2 sec
Mutual Capacitance(pF/m)	51±5
Capacitance Earth Unbalance(pF/500m) 1KHz	Max 1600
Attenuation(dB / 100m)	1-100MHz 4.5* √ (f/f0)
NEXT 1 - 100MHz	62-15*log ₁₀ (f/f0)
Flame Propagation	UL 1685 CM
	IEC 60332-3 C
Acid Halogen Gas (IEC 60754-2)	Max 1%
Pulling Force	Max 32 N

Table 1

Pair NO:	Color		Lay Length (mm)
	A	B	
1	WHITE/BLUE	BLUE	
2	WHITE/ORANGE	ORANGE	
3	WHITE/GREEN	GREEN	
4	WHITE/BROWN	BROWN	