



**RG Wire & Cable Ltd**  
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**Product Code:** TEL 3015020/004

Ericsson Version D, dated on 2011-11-24

**Product Description**

**Application:**

HALOGEN FREE SCREENED SYMMETRICAL CABLE FOR INDOOR USE

**Multi-construction**

4 Pair

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	<b>Construction</b>	
<b>Construction</b>		<b>Bare Copper</b>
Standard Dia.(mm)	0.57+/-0.01mm	
<b>Insulation</b>		<b>PP</b>
Thickness(mm)	0.21	
Insulation Dia.(mm)	1.00+/-0.10mm × 2C twist	
Insulation Color	See Table 1	
<b>Filler</b>		<b>Cross Member</b>
<b>Mylar Spiral</b>		≥ 115%
<b>Jacket</b>		<b>LSZH</b>
Thickness(mm)	0.60	
Dia.(mm)	6.30+/-0.3	
Jacket Color	Grey(RAL7001)	

**PACKAGING**

500M/Wooden Drum

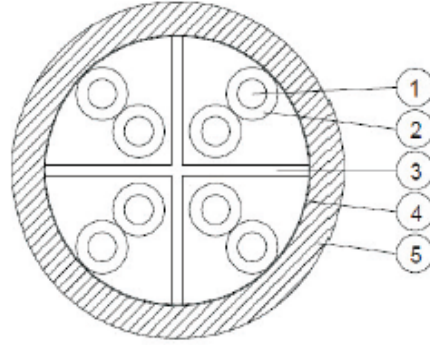
**Marking**

RG Wire & Cable #4520 E478021 YYWW 4 Pr 23 AWG UL  
 CM 75C +001m.....

**Label**

**RG Wire & Cable Ltd**  
**TEL 3015020/004**  
**Grey**  
**500M**  
**RoHS2(2011/65/EU) Compliant**  
**4520 RG xxxxxx WW/YY**

**Design**



**Electrical Characteristics**

Max.Conductor DC Resistance at 20°C (Ω/m)		<77.9
Operating temperature(°C)		-20 to +75
Operating voltage(V)		300
Min.Insulation DC Resistance at 20°C (MΩ*KM)		5000
Resistance Unbalance		Max 4%
Dielectric strength (conductor-conductor)		2.5kV DC 2 sec
Capacitance Unbalance @ 1KHz (pF/500m)		150 Max
Capacitance mutual(pF/m)		46
Attenuation 1-100MHz(dB/100m)(±8%)		
	4 MHz	3.8
	10 MHz	6
	16 MHz	7.6
	20 MHz	8.5
	31.25 MHz	10.8
	62.5 MHz	15.5
	100 MHz	19.9
	125 MHz	22.5
	200 MHz	29.2
	250 MHz	33
Return Loss	4 - 10 MHz	20+5*log10(f/fo)
	10 - 20 MHz	25 dB
	20 - 250 MHz	7-7*log10(f/fo*20)
Near End Crosstalk NEXT 4 -250 MHz(dB)		72.3-15*log10(f/fo)
Far End Crosstalk ELFEXT 4-250 MHz (dB/100m)		65-20*log10(f/fo)
Delay Skew 4 - 125 MHz		Max 0.45 ns/m
Fire Propeties		UL 1685 CM

**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	

**Revision History**

R1 - UL file No. and flame rate 2017/1/20

Table 1

Pair NO:	Color	
	A	B
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown

**Date:** 2014-5-16

**Page:** 1 / 1