

# #3493 4 Pair 26 AWG UL 444 CMR LSZH



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Part NO: #3493

Product Code: RGW-1366

### Product Description

#### Application:

Halogen Free Cable for communication and signal control systems.

#### Multi-construction

#### 4Pair

#### Construction

<b>4Pair</b>	<b>Silver plated Copper</b>
Construction	SPC0.40±0.01
(1) Solid Wire Dia.(mm)	0.40
<b>(2) Insulation</b>	<b>Foam PE</b>
Thickness	0.30
Insulation Dia.(mm)	1.0±0.05×2C Twist
Insulation Color	See the table 1
<b>(3) AL-Pet Shield(on each pair)</b>	<b>&gt;=125% (Alum out)</b>
<b>(4) Drain Wire</b>	<b>Tinned copper</b>
Construction(mm)	T0.40±0.01
<b>(5) Braid Shield</b>	<b>Tinned Copper</b>
Construction(mm)	T0.10±0.005×16×6
Coverage Area(%)	60%
<b>(6) Jacket</b>	<b>LSZH</b>
Thickness(mm)	0.65(nom)
Dia.(+/-0.2mm)	5.80
Jacket Color	Grey(RAL7001)

#### Marking(black ink)

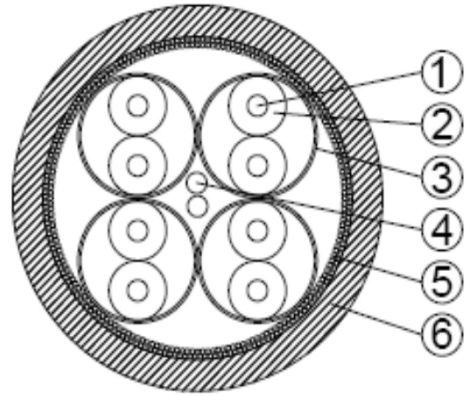
RG Wire & Cable # 3493 E478021 (UL) CMR 4 PAIR 26 AWG

75C [MM]

#### PACKAGING

500M/Wooden Drum.

### Design



### Electrical Characteristics

Max.Conductor DC Resistance at 20°C ( Ω /Km)	153
Rated Temperature(°C)	-20 to +75
Operating Voltage(V)	100
20°C Insulation Resistance(M Ω .KM)	5000
Bending radius(mm)	40
Characteristic Impedance 1-1000MHz(Ω)	100±5
Min. Dielectric Strength	
Cond-Cond.	2.5kV DC 2 sec
Cond-shield	2.5kV DC 2 sec
Mutual Capacitance	Nom 45 nF / Km
Delay Skew (10-1000MHz)	Max 0.05 ns/m
Attenuation (10-1000MHz)dB/100m	3.2*/(f/fo)
Unbalanced Attenuation LCL 1-200MHz	Min 40-10*log <sub>10</sub> (f/fo)
Transfer Impedance 30 MHz	Max 20 mOhm/m
Resistance Screen	12 mOhm/m
Return Loss	10 - 20 MHz      Min 25 dB
	20 - 1000MHz      Min 25-7*log <sub>10</sub> (f/fo*20)dB
PS NEXT	10 - 1000MHz      Min 99.4-15*log(f/fo)
PS ELFEXT	10 - 1000MHz      91-20*log(f/fo)
Fire Properties	UL 1666 CMR IEC 60332-3-24
Acid Gas Emission	To IEC 60754-2

Note: For Calculating Return Loss, Unbalanced Attenuation NEXT, FEXT use f<sub>0</sub>=1MHz in formulas

**Table 1**

Pair NO:	Color	
	A	B
1	WHITE	BLUE
2	WHITE	ORANGE
3	WHITE	GREEN
4	WHITE	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	

### Revision History

Rev 7 - Foot notes added 20th Dec 2013

Date: 2010-06-19

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