

# #6294 - 32×2×0.4 100 Ohm Multipair Cable (UL1666 CMR)

## CALEB CABLE INDUSTRIAL LIMITED



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## #6294 - 32×2×0.4 100Ω cable (UL1666) (RGW-2685-7)

### Product Description

Application:

### Cable Construction

1. Conductor Construction	Bare Copper 0.40±0.008
2. Insulation Thickness	Soild PE 0.15
Insulation Dia.(mm)	0.70±0.05×2C Twist
Insulation Color	See Table 1
3. Binder Spartil	(8 pairs + Binder ) x 4
4. Mylar Spiral	≥115%
5. Drain wire Construction(mm)	Tinned Copper T0.50±0.008
6. Al-Pet-Al Shield	≥115%
7. Nylon rip cord	210D
8. Jacket Thickness(mm)	CMR PVC 1.0
Dia.(mm)	10.6±0.20
Jacket Color	Grey(RAL7032)
9. Marking (ink black, one per meter)	RG Wire & Cable #6294 E478021 (UL) CMR 32-PAIR 26AWG 75 °C YYWW +001M.....

### 10. Label

RG Wire & Cable Ltd  
 32×2×0.4MM Multipair Cable  
 500M  
 RoHS2(2011/65/EU)Compliant  
 6294 RG ???? YY/WW

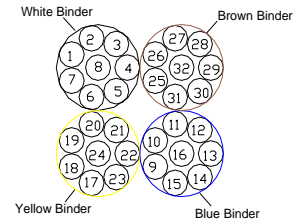
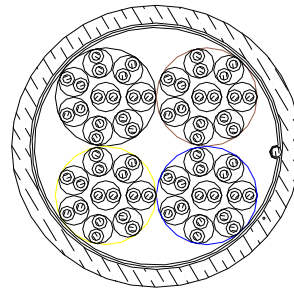


### Packaging

500M/Wooden Drum

### Environmental Compliance

- CE: EU Directive 2011/65/EU(RoHS2):  
 This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No exemptions are required for RoHS compliance on this item.
- REACH Regulation (EC 1907/2006):  
 This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item.



### General Characteristics

Temperature rating(°C) - during installing	0~+50
Temperature rating(°C) - Fixed installing and storage	-20~+70
Operating voltage(V)	300
Minimum bending radius (mm)	110
Nom.cable weight(kg/km)	155
Flammability(Single Cable)	and NFC 32-0780 Category C2
Riser Test (CMR)	UL 1666

### Electrical Characteristics

Conductor Dcr @ 20°C (68°F) (max)	≤150
Voltage test for one minute	1000V AC or 1500V DC
Insulation resistance at 20°C (MΩ.KM)	≥1000
Impedence at 700KHz( Ω )	100±20
Attenuation at 700KHz	≤27dB/km
Near end and far end crosstalk at 700KHz	≥50dB/km
Near end and far end crosstalk at 7MHz	≥35dB/km

Table 1

Pair NO	Color		Binder Color	Pair NO	Color		Binder Color
	A	B			A	B	
1	Light Blue	White	Group A White	17	Orange	Yellow	Group C Yellow
2	Light Blue	Dark Blue		18	Orange	Brown	
3	Light Blue	Yellow		19	Orange	Black	
4	Light Blue	Brown		20	Orange	Red	
5	Light Blue	Black		21	Orange	Green	
6	Light Blue	Red		22	Violet	White	
7	Light Blue	Green		23	Violet	Dark Blue	
8	Grey	White		24	Violet	Yellow	
9	Grey	Dark Blue	Group B Blue	25	Violet	Brown	Group D Brown
10	Grey	Yellow		26	Violet	Black	
11	Grey	Brown		27	Violet	Red	
12	Grey	Black		28	Violet	Green	
13	Grey	Red		29	White	Light Blue	
14	Grey	Green		30	White	Grey	
15	Orange	White		31	White	Orange	
16	Orange	Dark Blue		32	White	Voilet	

### Reference Standard

Customer par num ber 1820148-1 Rev A dated 2005/04/04

Rev	Notes	D	R	Date
A01	First release	CC	CC	6/15/2017
A02	Rev Electrical Characteristics	CC	CC	6/22/2017
A03	Add Marking and Label	CC	CC	6/28/2017
A04	Update UL1666	CC	CC	6/29/2017
A05	Update Drain wire	CC	CC	8/10/2017
A06	Update Binder Color	CC	CC	10/19/2017

