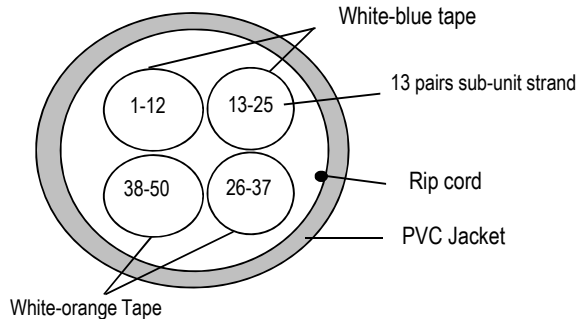


**50 PAIR 24AWG CAT 3 PVC UTP CABLE**
**Cross Section**

**Part No. 3CMR2450RG**

**Performance**
**Electrical Characteristics:**

Frequency (MHz)	SRL (dB)	ATT (dB/100m)	NEXT (dB)	Impedance (ohms)
0.772	12	2.2	43	100 ± 15
1	12	2.6	41	100 ± 15
4	12	5.6	32	100 ± 15
8	12	8.5	28	100 ± 15
10	12	9.7	26	100 ± 15
16	10	13.1	23	100 ± 15

**Description**

Application  
Telephony Voice Wiring, 10 Base-T, 100 Base-T4  
Reference Standard  
EIA/TIA568 & ISO/IEC 11801

**Construction**

Conductor	Solid Bare Copper
AWG	24
Conductor Dia. Nom (mm)	0.50
Insulation	PE
Average Thickness(±0.03mm)	0.16
Min. Point Thickness(mm)	0.15
Insulation Dia.(±0.05mm)	0.83
Twisting Lay Length(mm)	80underneath
Unit Lay Length(mm)	500underneath
Color Tape Lay Length	<150mm
100P Cabling Lay Length(mm)	800underneath
Jacket	PVC
Average Thickness(±0.1mm)	0.80
Min. Point Thickness(mm)	0.75
Rip Cord	Yes

Capacitance	56pF/km
Capacitance unbalance	500pF/100m
Max. Conductor DC Resistance 20°C (ohms/km)	<=93.8
Resistance Unbalance (%)	<=5
Insulation Resistance	5000MΩ-km
Dielectric Strength:	DC.1.5KV, 1min.

**Mechanical Characteristics:**

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x240
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack
Temperature rating :	-20°C to 75°C
Max Pull strength:	200N
Elongation of conductor:	min 15%
Elongation of insulation:	min 300%
Tensile strength of insulation:	min 6Mpa
Shrinkage of insulation:	max 5%
Elongation of jacket(unaged):	min 200%
Tensile strength of jacket(unaged):	min 12Mpa

**Insulation Colors**

Blue,White/Blue	Blue,Red/Blue	
Orange,White/Orange	Orange,Red/Orange	
Green,White/Green	Green,Red/Green	
Brown,White/Brown	Brown,Red/Brown	Blue,Violet/Blue
	Gray,Red/Gray	Orange,Violet/Orange
Blue,Black/Blue	Blue,Yellow/Blue	Green,Violet/Green
Orange,Black/Orange	Orange,Yellow/Orange	Brown,Violet/Brown
Green,Black/Green	Green,Yellow/Green	Gray,Violet/Gray
Brown,Black/Brown	Brown,Yellow/Brown	
Gray,Black/Gray	Gray,Yellow/Gray	

**Standard Packaging**


1000' Wood Reel  
Weight: 187 lbs.


**Jacket Colors**

Standard:	Gray
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\*All values in this specification are nominal and are subjective to tolerances of +/- 15 to 20%.

It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.