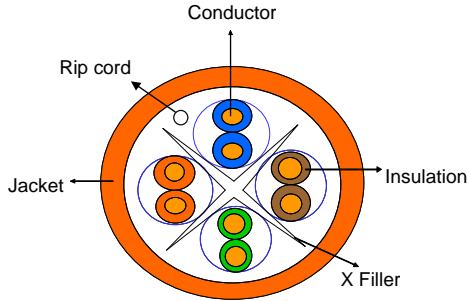


4PAIR 24AWG CAT 6 250MHZ. PVC UTP CABLE

Cross Section



Description

Category 6, 4 pair, 24awg, UTP, PVC, Horizontal (Solid) Cable
Reference Standard
 ANSI/EIA/TIA 568-C.2 with applicable electrical transmission characteristics

Application

- ☆ High Speed Data Application
- ☆ 622 Mbps ATM
- ☆ 100 Mbps TPDDI
- ☆ 100 Base T
- ☆ Digital Video
- ☆ Gigabit Ethernet
- ☆ IEEE802.3 / IEEE802.5

Colors

Jacket colors:

Standard:



Blue, White, Yellow

Special:

Per customer request

Part No.: 6CMR244xx



Construction

Conductor	Solid Bare Copper
AWG	24
Conductor Dia.(mm)	0.525
Insulation	HDPE
Average Thickness(mm)	0.19
Min.Point Thickness(mm)	0.17
Insulation Dia.(±0.02mm)	1
Twisting Lay Length(mm)	30underneath
Cabling Lay Length(±20mm)	140
Jacket	FR-PVC
Average Thickness(mm)	0.5
Min.Point Thickness(mm)	0.43
Outer Dia.(±0.2mm)	6.0
Rip Cord	Yes

Colors

Insulation colors are:	Pair 1: Blue, White/Blue
	Pair 2: Orange, White/Orange
	Pair 3: Green, White/Green
	Pair 4: Brown, White/Brown

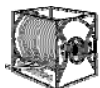
Performance

Electrical Characteristics:

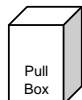
Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	ACR (db)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
0.772	1.8	76.0	74.2	74.0	-	-
1	2.0	74.3	72.3	72.3	70.0	68.0
4	3.8	65.3	61.5	63.3	58.0	56.0
8	5.4	60.8	56.5	58.8	51.9	49.9
10	6.0	59.3	53.3	57.3	50.0	48.0
16	7.7	56.3	48.6	54.3	45.9	43.9
20	8.6	54.8	46.3	52.8	44.0	42.0
25	9.5	53.3	43.8	51.3	42.0	40.0
31.25	10.7	51.9	41.2	49.9	40.1	38.1
62.5	15.4	47.4	32.0	45.4	34.1	32.1
100	19.8	44.3	24.5	42.3	30.0	28.0
200	29.0	39.8	10.8	37.8	24.0	22.0
250	32.8	38.3	5.5	36.3	22.0	20.0

1.0-100.0MH impedance(ohms)	100±15
1.0-100.0MH Delay Skew(ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance(Pf/100m)	<=330
Max. Conductor DC Resistance 20l (ohms/km)	9.38
Resistance Unbalance(%)	<=5

Standard Packaging



Spool in a Box
Weight: 34 lbs



Pull Box
Weight: 32 lbs.

Mechanical Characteristics:

Test Object	Jacket
Test Material	FR-PVC
Before Tensile Strength(Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition(×hrs)	100x240
After Tensile Strength (Mpa)	>=85% of unaged
After Elongation (%)	>=50% of unaged
Cold Bend(-20±2)×4hrs)	No crack

All values in this specification are nominal and are subjective to tolerances of +/- 10 to 15% and are subject to change without notice.